



MWBB-0032256

From (W) Building, Room 1613
 WIN 272-3894
 Date November 27, 1989
 Subject EPA Bans Asbestos Products

To WESTINGHOUSE DIVISION MATERIALS ENGINEERS

The Environmental Protection Agency has issued a regulation that prohibits the manufacture, importation, processing and distribution of almost all asbestos-containing products in the United States. This ban will take effect in three stages over the next seven years, beginning with certain products on August 27, 1990, and with others on approximately the same date in 1993 and 1996. This information was communicated to Division and Plant Managers, Industrial Hygiene and Safety Officers and Environmental Control Officers in earlier correspondence. A search of asbestos-containing products in the Westinghouse Materials System was made and your division was found to be listed as a user. The material card information is attached for your review. Determine the status of the material's use within your organization and alert the appropriate personnel of its activity. It will be necessary to notify health and safety, purchasing, engineering and environmental control personnel that asbestos is being used at your site. Please complete the attached material usage form and return to me by January 2, 1990. If you have any questions, please call me on WIN 272-3894 or 412/642-3894.

R. J. Wengrzyn
 Manager, Hazardous Materials
 Evaluation and Transportation
 Industrial Hygiene
 Environmental Affairs

2001v

FORM 30



UNCLASSIFIED

1992

Westinghouse Materials Engineer:

(Name)

(Location)

2001v

Westinghouse Material Number

Status
Active Obsolete

WBB-0032257

DN 53311GX-GY - MATERIAL (M) -
 RL Rev C
 DA Nov 5, 1986
 -
 TI ADHESIVE, FILM
 -
 CA CAUTION: MACHINING OR GRINDING 53311GY PRODUCES ASBESTOS DUST.
 AVOID BREATHING DUST. USE ONLY WITH ADEQUATE VENTILATION. AVOID
 SKIN CONTACT. SEE SPDS R-5.
 -
 SU SUPPLIERS:
 (53311GX) National Starch and Chemical Corp, PO Box 4800,
 Bridgewater, NJ 08876
 (53311GY) Dexter Corp (Hysol Div), 2850 Willow Pass Road,
 Pittsburg, CA 94565
 -
 OR ORDER FROM SUPPLIER AS:
 (53311GX) Plymaster 87-2040 *
 (53311GY) EA9649R Adhesive Film, stating width or Drawing and
 Item Number *
 *Stating *Permanently mark all containers with Westinghouse Number.*
 -
 CH CHARACTERISTICS: 53311GX (Users: EL) Brown, 100% heat reactive
 adhesive in dry film form, which is reinforced by a fibrous
 mat. Film has a high peel strength which heat seals readily at
 low temperatures with extremely short dwell times. 0.010 inch
 thick from 1.0 to 57 inches wide. Shelf Life 6 months min.
 Store in a cool, dry environment.
 53311GY (Users: IE) Gray epoxy nylon scrim supported adhesive
 having controlled tack and drape and designed for 177 C (350 F)
 service with intermittent exposure to 216 C (420 F). Adhesive
 contains asbestos. Available in rolls or as precut shapes.
 Working Life 30 days at temps up to 32 C (90 F). Shelf Life
 6 months at -17.8 C (0 F).
 -
 DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
53311GX	-	-	-	-
53311GY	-	-	-	149 C (300 F)

 AP APPLICATION:
 (53311GX) Cementing escalator splice blocks.
 (53311GY) Industrial equipment adhesive.
 -
 CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 53311QXBG3 (ADH - If reference name is desired)

DN 46316CA-CQ - PD SPEC (PDS) -

RL Rev E

DA Aug 20, 1985

TI ASBESTOS CEMENT SHEET

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:

(46316CA,CE,CJ,CK,CN)

(V4296) (I) Manville, Ken-Caryl Ranch, Denver, Co 80217

(V4297) (I) Nicolet Industries, Inc, Maple St, Ambler PA 19002

(46316CQ) (V4296) Manville, Ken-Caryl Ranch, Denver, Co 80217

(46316CQ) (V4297) Nicolet Industries, Inc, Maple St, Ambler PA 19002

NOTE 1: 46316CE cannot be furnished in 0.125, 0.188 and 0.250 inch thicknesses.

46316CK available only in pieces 12 x 96 inch and less in length or width.

OR ORDER FROM SUPPLIER AS: Asbestos Cement Sheet, stating P D Spec Number and Rev Letter.

P D Spec	Previous Grade	Users	Description
46316CA	1712-1	BS,GC,LRA, MAR,SWG	Black, ebonized asbestos cement sheet composed of asbestos fiber and hydraulic cement impregnated with an asphaltic compound. Arc Resistance 150 sec min.
46316CB	1712-2, 2982	-	Obsolete
46316CC	1712-3	-	Obsolete
46316CD	1712-4, 5523	-	Obsolete
46316CE	1597, 1717-5	EM,DE,EL,EMO IE,IGT,LRA, MAR,RID,SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement.
46316CF	1712-6	-	Obsolete
46316CG	1712-7	-	Obsolete
46316CH	1712-8	-	Obsolete
46316CJ	1712-9, 6224-2	OE,LRA,MAR SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement. It is a laminated structure.
46316CK	1712-10	EL	Asbestos cement sheet. 46316CE having a thickness tolerance of plus or minus 0.016 inch.

P D Spec	Previous Grade	Users	Description
46316CL	1712-11	-	Obsolete
46316CM	1712-12	-	Obsolete
46316CN	1712-13	GC	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.031 inch.
46316CP	-	-	Obsolete
46316CQ	-	SWG	Same as 46316CA except arc resistance 250 seconds min.

TL TOLERANCES: See PDS.

EQ EQUIVALENTS(ref only):

TRADENAMES:

- (46316CA) EBONY
- (46316CC) OHMSTONE
- (46316CE) MONOBESTOS; TRANSITE
- (46316CJ) ASBESTOCITE A; MONOBESTOS BX
- (46316CK) MONOBESTOS; TRANSITE
- (46316CN) TRANSITE; MONOBESTOS

DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
46316CA,CC,CE,CJ,CK,CN,CQ	Asbestos	ORM-C	-	-

For dimensional tolerance and physical properties see PDS.

NOTE: Suppliers designations are as follows:

- 46316CA,CQ: Ebony
- 46316CE,CK,CN: Manville, Transite; Nicolet, Monobestos
- 46316CJ: Manville, Asbestocite A; Nicolet, Monobestos 6X

AP APPLICATION:

- (46316CA) Bases and general use
- (46316CE,CJ,CN) Arc shields & heat resisting applications
- (46316CK) Arc baffles for DB50 Air Cir Bkr & JCM 22 network protection
- (46316CQ) Switchgear assemblies

CP CORPORATE PART NUMBER: PDS No. + Size Code

Example: 46316CE1TW (ASB - If reference name is desired)

DN 44641BP-BT - MATERIAL (M) -
 RL Rev F
 DA Nov 5, 1978

TI MOLDED PARTS, PHENOLIC, MINERAL FILLED

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:
 (44641BP) Westinghouse Electric Corp, Molding Dept, E Pgh, PA
 (44641BS) Rostone Corp, 2773 S. Concord Rd, Lafayette, IN 47902
 (44641BT) Reichhold Chemicals Inc, 525 N Broadway, White Plains, NY 10603

OR ORDER FROM SUPPLIER AS: (44641BP) Molded Parts 44641BP *
 (44641BS) Molded Parts from Rosite 2150 *
 (44641BT) Molded Parts from RCI 25388 (Black) *

*Stating Divisional part number (Corporate part numbers do not apply) and *Permanently mark all containers with Westinghouse M number.*

CH CHARACTERISTICS: 44641BP (User: EP) Black, mineral and cotton flock reinforced phenolic molded parts.
 44641BQ, BR Obsolete.
 44641BS (User: BE) General purpose mineral filled phenolic cold molded parts.
 44641BT (User: EP) Black, thermoset mineral and flock-filled phenolic molded parts.

	44641BP	44641BS
Specific Gravity	1.63	1.85
Flexural Str, psi	9500	7000-9000
Tensile Str, psi	7500	-
Izod Impact Str, Ft-lb/In-Notch	0.40	0.50-0.6 (Charpy)
Heat Distortion @ 264 psi, C (F)	196 (385)	-
Dielectric Str,		
Step by Step, Volts/mil	300	80-100
Short Time, Volts/mil	-	-
Arc Resistance, Sec	180	360
Water Absorption	-	0.3-0.7

	44641BT
Specific Gravity	1.61
Flexural Str, psi	14,300
Tensile Str, psi	6,500
Izod Impact Str, Ft-lb/In-Notch	0.36
Heat Distortion @ 264 psi, C (F)	199 (390)
Dielectric Str,	
Step by Step, Volts/mil	325
Short Time, Volts/mil	400
Arc Resistance, Sec	180
Water Absorption	0.120

Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 2, M 44641BP-BT
 Corp Stds, Pittsburgh, PA 15235 Rev F ; Nov 5, 1978

HW88-0032264

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION: (44641BP) Rotary switch parts.
(44641BS) Arc box for safety switches.
(44641BT) Switch housings.

CP CORPORATE PART NUMBER: M No.
Example: 44641BP (PHENOLIC - If reference name is desired)

DN 46316CA-CQ - PD SPEC (PDS) -
 RL Rev E
 DA Aug 20, 1985
 -
 TI ASBESTOS CEMENT SHEET
 -
 CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20.
 -
 SU SUPPLIERS:
 (46316CA,CE,CJ,CK,CN)
 (V4296) (I) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (V4297) (I) Nicolet Industries, Inc, Maple St, Ambler PA 19002
 (46316CQ) (V4296) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (46316CQ) (V4297) Nicolet Industries, Inc, Maple St, Ambler PA
 19002
 -
 NOTE 1: 46316CE cannot be furnished in 0.125, 0.188 and 0.250
 inch thicknesses.
 46316CK available only in pieces 12 x 96 inch and less
 in length or width.
 -
 OR ORDER FROM SUPPLIER AS: Asbestos Cement Sheet, stating P D Spec
 Number and Rev Letter.

P D Spec	Previous Grade	Users	Description
46316CA	1712-1	BS,GC,LRA, MAR,SWG	Black, ebonized asbestos cement sheet composed of asbestos fiber and hydraulic cement impregnated with an asphaltic compound. Arc Resistance 150 sec min.
46316CB	1712-2, 2982	-	Obsolete
46316CC	1712-3	-	Obsolete
46316CD	1712-4, 5523	-	Obsolete
46316CE	1597, 1717-5	BM,DE,EL,END IE,IGT,LRA, MAR,RID,SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement.
46316CF	1712-6	-	Obsolete
46316CG	1712-7	-	Obsolete
46316CH	1712-8	-	Obsolete
46316CJ	1712-9,6224-2	DE,LRA,MAR SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement. It is a laminated structure.
46316CK	1712-10	EL	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.016 inch.

P D Spec	Previous Grade	Users	Description
46316CL	1712-11	-	Obsolete
46316CM	1712-12	-	Obsolete
46316CN	1712-13	GC	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.031 inch.
46316CP	-	-	Obsolete
46316CQ	-	SWG	Same as 46316CA except arc resistance 250 seconds min.

TL TOLERANCES: See PDS.

EQ EQUIVALENTS(ref only):
 TRADENAMES:
 (46316CA) EBONY
 (46316CC) OHMSTONE
 (46316CE) MONOBESTOS; TRANSITE
 (46316CJ) ASBESTOCITE A; MONOBESTOS BX
 (46316CK) MONOBESTOS; TRANSITE
 (46316CN) TRANSITE; MONOBESTOS

DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
46316CA,CC,CE,CJ,CK,CN,CQ	Asbestos	ORM-C	-	-

For dimensional tolerance and physical properties see PDS.

NOTE: Suppliers designations are as follows:
 46316CA,CQ: Ebony
 46316CE,CK,CN: Manville, Transite; Nicolet, Monobestos
 46316CJ: Manville, Asbestocite A; Nicolet, Monobestos 6X

AP APPLICATION:
 (64316CA) Bases and general use
 (46316CE,CJ,CN) Arc shields & heat resisting applications
 (46316CK) Arc baffles for DB50 Air Cir Bkr & JCM 22 network
 protection
 (46316CQ) Switchgear assemblies

CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 46316CE1TW (ASB - If reference name is desired)

CAGE 79500

Pg 2, PDS 46316CA-CQ
 Rev E ; Aug 20, 1985

MWBB-0032270

DN 41311AA-AC - MATERIAL (M) -
 RL Rev C
 DA Jan 20, 1977

TI ASBESTOS ROPE PACKING

CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
 BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
 SPDS A-20.

SU SUPPLIERS:
 (41311AA) Amatex Corp, 1030 Stanbridge St, Norristown, PA 19404

OR ORDER FROM SUPPLIER AS:
 (41311AA)
 (.125" dia) 8 Strands 10 Cut Asbestos Roving, Style TX-148
 Wick. *
 (.187" dia) 18 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 (.250" dia) 24 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 (.375" dia) 48 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 (.500" dia) 72 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *

* Stating "Permanently mark all containers with Westinghouse Number"

CH CHARACTERISTICS:
 41311AA (Previous 3879-1) (Users: BM BMM DA EP MAR PT PTR) Soft
 twisted, round untreated asbestos wicking or rope packing
 composed of soft asbestos wicking or yarns twisted together.
 Yarns are made of long fiber asbestos.
 41311AB (Previous 3879-2) Obsolete.
 41311AC (Previous 3879-3) Obsolete.

AP APPLICATION: Tinning and soldering connections of commutators on
 small armatures. General maintenance.

CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 41331AA41V (ASB - If reference name is desired)

DN ~~41511AA~~ - PD SPEC (PDS) -
 RL Rev A
 DA Jul 5, 1976
 -
 TI ASBESTOS TAPE, WOVEN
 -
 CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
 BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
 SPDS A-20.
 -
 SU SUPPLIERS:
 (A) Amatex Corp, 1030 Stanbridge St, Norristown, PA 19404
 (B) Atlas Textile Co, 538 Walnut St, North Wales, PA 19454
 (C) H K Porter, Inc, 1000 Seaboard St, Charlotte, NC 28206
 (D) Raybestos-Manhattan, Inc, 100 Oakview Dr, Trumbull, CT 06611
 (E) Uniroyal, 1230 Ave of Americas, NY, NY 10020
 -
 (.010" thk) A-B-E
 (.015", .025" thk) A-B-C-D-E
 -
 OR ORDER FROM SUPPLIER AS: Tape, P D Spec 41511AA Rev A.
 -
 CH CHARACTERISTICS: (Previous 1598) (Users: ~~BM EP IC MAR RT SH~~) Closely
 woven, unazed asbestos tape, .010", .015" and .025" thk. Tape
 .015" thk and over is constructed of asbestos yarns, both warp and
 fill, which may contain 20% (max) cotton. Tape .010" thk contains
 in addition to asbestos warp yarns two cotton threads at each edge
 and filler is of fine cotton yarn. Cotton content of asbestos
 warp threads is approx 17% and total percentage of cotton is
 approx 27%.
 -
 For additional properties and construction details see PDS.
 -
 TL TOLERANCES: See PDS
 -
 EQ EQUIVALENTS(ref only): MIL-I-3053, tape. grade U.G., type 2PU
 -
 TRADENAMES: MIL I 3053 GR U G TYPE 2PU
 -
 AP APPLICATION: Taping TI 130 armature coils.
 -
 CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 41511AA1BM (ASB TAPE - If reference name is desired)

DN 41521FJ-FL - MATERIAL (M) -
RL Rev E
DA Mar 20, 1984

TI ASBESTOS BRAKE LINING, WOVEN, BRASS WIRE REINFORCED

CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
SPOS A-20

SU SUPPLIERS:

(41521FJ)

(A) Raybestos-Manhattan, Inc, 100 Oakview Dr, Trumbull, CT 06611

(B) Reddaway Mfg Co, Inc, 32 Euclid Ave, Newark, NJ 07105

(41521FL)

(C) Cantex Corp, PO Box 184, Schenectady, NY 12306

(D) Pars, 101 S Main St, Ambler, PA 19002

DR ORDER FROM SUPPLIER AS:

(41521FJ)

(A) US-2010 Brake Lining *

(B) Redco RBW Brake Lining

(41521FL)

(C) B-72 (Mintex B2) Brake Lining *

(D) PBW Brake Lining *

* Stating "Permanently mark all containers with Westinghouse
Number"

CH CHARACTERISTICS:

(41521FJ) (Users: EL) Resin bonded, brass (brass & zinc from
supplier B) wire reinforced, woven asbestos brake lining.
Coefficient of friction 0.45. Total spring force to stop and
hold 150% load from hand speed is 2079 lb. Serviceable to 399
C (750 F) and 300 psi.

(41521FK) Obsolete

(41521FL) (Users: BM) Resin-oil bonded, brass wire reinforced,
solid woven asbestos brake lining. Coefficient of friction
0.35 min. Withstands shock loads up to 288 C (550 F).
Rockwell R Hardness 38. Ground on both sides eliminating
"wear-in." Suitable for heavy duty use.

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION:

(41521FJ) Gearless elevator machines.

(41521FL) Type CB brake lining

CP CORPORATE PART NUMBER: M No. + Size Code

Example: 41521FJA75 (BRAKE LINING - If reference name is
desired)

Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 1, M 41521FJ-FL
Corp Stds, Pittsburgh, PA 15235 Rev E ; Mar 20, 1984

WBBB-0032276

DN 42231AA-AB - PD SPEC (PDS) -
 RL Rev D
 DA Jan 20, 1977
 -
 TI ABESTOS PAPER
 -
 CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
 BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
 SPDS A-20.
 -
 SU SUPPLIERS:
 (42231AA) Johns-Manville, Greenwood Plaza, Denver, CO 80217
 -
 OR ORDER FROM SUPPLIER AS: (42231AA) Paper, P D Spec 42231AA Rev D.
 -
 CH CHARACTERISTICS: 42231AA (Previous 4262-1) (User: BM BMM CL EP M&R
 TM) High grade asbestos paper composed of nonferrous type asbestos
 fiber specially manufactured to be free from conducting particles.
 It is much freer from conducting particles than commercial
 asbestos paper 42331AA and is considerably more expensive.

Thk, Inch.	Tens Str, Min (Lb/In Width)		Tear Str, Min (Gm/In. Width)		Apparant Density Grams/cc		Basis Weight, Lb/100 Sq Ft	
Nom	MD	CMD	MD	CMD	Min	Max	Min	Max
0.005	12	7	20	28	.65	.91	1.7	2.3
.0065	15	9	28	39	.76	.89	2.4	3.1
.007	17	10	29	40	.69	.95	2.9	3.5
.010	20	12	40	47	.67	.92	3.6	4.8
.015	23	13	62	77	.69	.94	5.5	7.5

- 42231AB (Previous 4262-2) Obsolete.

TL TOLERANCES: See PDS
 -
 EQ EQUIVALENTS(ref only): MIL-I-3053, type 2PU
 TRADENAMES: MIL I 3053 TYPE 2PU QUINORGO 4000
 -
 AP APPLICATION: Treated with shellac for field coil insulation.
 -
 CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 42231AA18Q (ASB PAPER - If reference name is desired)

MMBB-003228U

(A) Johns-Manville, Greenwood Plaza, Denver, CO 80217
(B) Nicolet, Inc, Wissahickon Ave, Ambler, PA 19002

CH CHARACTERISTICS:
42331AA (Previous 2118-1) (Users: AMD, BE, BG, BM, BMM, DA, EP HA,
MNR PT SH SMD ST TM) Commerical grade asbestos paper of uniform
quality.
42331AB (Previous 2118-2) Obsolete.
42331AC (Previous 2118-3) Obsolete.

EQ EQUIVALENTS(ref only): MIL-I-3053, type 2PU

AP APPLICATION: General use.

CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 42331AA3GD (ASB PAPER - If reference name is desired)

DN 44141UA - MATERIAL (M) -
 RL Rev B
 DA Feb 20, 1973
 TI MICARTA SHAPES, ASBESTOS-PHENOLIC (NEMA AA)
 CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20
 SU SUPPLIERS:
 National Vulcanized Fibre Co, 1000 Beach St, wilmington 99, Del
 St Regis paper co, Panelyte Div, 230 Park Ave, NY, NY 10017
 Spaulding Fibre Co, Inc, 320 Wheeler St, Tonawanda, NY
 Synthane-Taylor Corp, Valley Forge Rd, Valley Forge, Pa
 Westinghouse Electric Corp, IPD, Hampton, SC
 OR ORDER FROM SUPPLIER AS: Micarta Shapes NEMA AA*, stating part
 number.
 * Stating "Permanently mark all containers with Westinghouse
 Number"
 CH CHARACTERISTICS: (Previous 200-1 Shapes) (User: BE BG BM BMM BS
 EP LIM SH) Tan, semigloss, heat resistant asbestos cloth-phenolic
 Micarta angles, channels and molded shapes (NEMA AA). Asbestos
 Content 80% (min).
 AP APPLICATION: High temperature applications
 CP CORPORATE PART NUMBER: MICARTA, stating number.

DN 65717AA - PD SPEC (PDS) -
RL Rev A
DA Jul 5, 1981
TI -
FIXTURE WIRE, CELLULOSE ACETATE BUTYRATE TAPE INSULATED
SU SUPPLIERS:
Rockbestos Co, 55 Nicoll St, New Haven, CT 06504
OR -
ORDER FROM SUPPLIER AS: Fixture Wire, stating P D Spec Number and
Rev Letter.
CH -
CHARACTERISTICS: 65717AA (Previous 8026-16) (Users: BE BM BS GC VK)
Fixture wire insulated with cellulose acetate butyrate tape, and
felted, treated asbestos insulation, and an outer braid of glass
yarn treated with flame resistant lacquer.
DS -
DOT SHIPPING REGULATIONS: Not Applicable.
AP -
APPLICATION: Motor application fixture wire
CP -
CORPORATE PART NUMBER: PDS No. + Size Code
Example: 65717AA34Z (FIXTURE WIRE - If reference name is desired)

DN 66711AC - PD SPEC (PDS) -
 RL Rev C
 DA Sep 5, 1975
 -
 TI WIRE AND CABLE, ASBESTOS-MYLAR INSULATED, GLASS BRAID COVERED
 -
 CA CAUTION: CUTTING OR MACHINING WILL PRODUCE ASBESTOS AND GLASS DUST.
 DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUSE VENTILATION
 SHALL BE PROVIDED. SEE SPDS A-20.
 -
 SU SUPPLIERS:
 Cerro Wire and Cable Co, (Cerro Corp), 550 Nicoll St, New Haven,
 CT 06504
 -
 OR ORDER FROM SUPPLIER AS: Cable, stating P D Spec, Revision Letter
 and Stranding
 -
 CH CHARACTERISTICS: (Users: BM, BMM, BS, M&R) Single conductor wire and
 cable insulated with two layers of felted ~~asbestos~~ separated by
 four layers of half lapped 0.001" mylar tape. The insulation is
 covered with treated dacron glass braid. Voltage rating is 600
 volts.
 -
 See PDS 66711AE for similar cable except teflon tape.
 -
 AP APPLICATION: Class B Motor Lead Wire.
 -
 CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 66711AC3BK (CABLE - If reference name is desired)

DN 41311AA-AC - MATERIAL (M) -
 RL Rev C
 DA Jan 20, 1977
 TI ASBESTOS ROPE PACKING
 CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
 BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
 SPDS A-20.
 SU SUPPLIERS:
 (41311AA) Amatex Corp, 1030 Stanbridge St, Norristown, PA 19404
 OR ORDER FROM SUPPLIER AS:
 (41311AA)
 (.125" dia) 8 Strands 10 Cut Asbestos Roving, Style TX-148
 Wick. *
 (.187" dia) 18 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 (.250" dia) 24 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 (.375" dia) 48 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 (.500" dia) 72 Strands 5 Cut Asbestos Roving, Reinforced 20/1
 Cotton Thread, Style 381 Wick. *
 * Stating "Permanently mark all containers with Westinghouse Number"
 CH CHARACTERISTICS:
 41311AA (Previous 3879-1) (Users: BM BMM DA EP M&R PT PTR) Soft
 twisted, round untreated asbestos wicking or rope packing
 composed of soft asbestos wicking or yarns twisted together.
 Yarns are made of long fiber asbestos.
 41311AB (Previous 3879-2) Obsolete.
 41311AC (Previous 3879-3) Obsolete.
 AP APPLICATION: Tinning and soldering connections of commutators on
 small armatures. General maintenance.
 CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 41331AA41V (ASB - If reference name is desired)

DN 42231AA-AB - PD SPEC (PDS) -

RL Rev D

DA Jan 20, 1977

TI ABESTOS PAPER

CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE SPDS A-20.

SU SUPPLIERS:

(42231AA) Johns-Manville, Greenwood Plaza, Denver, CO 80217

OR ORDER FROM SUPPLIER AS: (42231AA) Paper, P D Spec 42231AA Rev D.

CH CHARACTERISTICS: 42231AA (Previous 4262-1) (User: BM BMM CL EP MAR TM) High grade asbestos paper composed of nonferrous type asbestos fiber specially manufactured to be free from conducting particles. It is much freer from conducting particles than commercial asbestos paper 42331AA and is considerably more expensive.

Thk, Inch.	Tens Str, Min (Lb/In Width)		Tear Str, Min (Gm/In. Width)		Apparant Density Grams/cc		Basis Weight, Lb/100 Sq Ft	
Nom	MD	CMD	MD	CMD	Min	Max	Min	Max
0.005	12	7	20	28	.65	.91	1.7	2.3
.0065	15	9	28	39	.76	.89	2.4	3.1
.007	17	10	29	40	.69	.95	2.9	3.5
.010	20	12	40	47	.67	.92	3.6	4.8
.015	23	13	62	77	.69	.94	5.5	7.5

42231AB (Previous 4262-2) Obsolete.

TL TOLERANCES: See PDS

EQ EQUIVALENTS(ref only): MIL-I-3053, type 2PU
TRADENAMES: MIL I 3053 TYPE 2PU QUINORGO 4000

AP APPLICATION: Treated with shellac for field coil insulation.

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 42231AA18Q (ASB PAPER - If reference name is desired)

- MATERIAL (M) -

TI MICARTA SHAPES, ASBESTOS-PHENOLIC (NEMA AA)

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20

SU SUPPLIERS:

National Vulcanized Fibre Co, 1000 Beach St, wilmington 99, Del
St Regis paper co, Panelyte Div, 230 Park Ave, NY, NY 10017
Spaulding Fibre Co, Inc, 320 Wheeler St, Tonawanda, NY
Synthane-Taylor Corp, Valley Forge Rd, Valley Forge, Pa
Westinghouse Electric Corp, IPD, Hampton, SC

OR ORDER FROM SUPPLIER AS: Micarta Shapes NEMA AA*, stating part number.

- * Stating "Permanently mark all containers with Westinghouse Number"

CH CHARACTERISTICS: (Previous 200-1 Shapes) (User: BE BG BM BMM BS²
EP LIM SH) Tan, semigloss, heat resistant asbestos cloth-phenolic
Micarta angles, channels and molded shapes (NEMA AA). Asbestos
Content 80% (min).

AP APPLICATION: High temperature applications

CP CORPORATE PART NUMBER: MICARTA, stating number.

MWB-0032296

DN [REDACTED] - MATERIAL (M) -
 RL Rev B
 DA Feb 20, 1973
 TI MICARTA BARS, ASBESTOS-PHENOLIC (NEMA AA)
 CA CAUTION: MACHINING PRODUCES ASBESTON DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.
 SU SUPPLIERS:
 National Vulcanized Fibre Co, 1000 Beach St, Wilmington, 99, Del
 St Regis Paper Co, Panelyte Div, 230 Park Ave, NY, NY 10017
 Spaulding Fibre Co, Inc, 320 Wheeler St, Tonawanda, NY
 Synthane-Taylor Corp, Valley Forge Rd, Valley Forge, PA
 Westinghouse Electric Corp, IPD, Hampton, SC
 OR ORDER FROM SUPPLIER AS: Micarta Bars NEMA AA*, stating finish if finish other than ground is desired.
 * Stating "Permanently mark all containers with Westinghouse Number"
 CH CHARACTERISTICS: (Previous 200-1 Bars) (Use [REDACTED])
 [REDACTED] Tan, ground, heat resistant [REDACTED] phenolic
 Micarta bars (NEMA AA). Asbestos Content 80% (min).
 EQ EQUIVALENTS(ref only): NEMA LI 1. gr AA
 AP APPLICATION: High temperature applications
 CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 44141XA41V (MICARTA - If reference name is desired)

DN 66711AC - PD SPEC (PDS) -
RL Rev C
DA Sep 5, 1975

TI WIRE AND CABLE, ASBESTOS-MYLAR INSULATED, GLASS BRAID COVERED

CA CAUTION: CUTTING OR MACHINING WILL PRODUCE ASBESTOS AND GLASS DUST.
DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUSE VENTILATION
SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:
Cerro Wire and Cable Co, (Cerro Corp), 550 Nicoll St, New Haven,
CT 06504

OR ORDER FROM SUPPLIER AS: Cable, stating P D Spec, Revision Letter
and Stranding

CH CHARACTERISTICS: (Users: BM, BMM, BS, MAR) Single conductor wire and
cable insulated with two layers of felted asbestos separated by
four layers of half lapped 0.001" mylar tape. The insulation is
covered with treated dacron glass braid. Voltage rating is 600
volts.

See PDS 66711AE for similar cable except teflon tape.

AP APPLICATION: Class B Motor Lead Wire.

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 66711AC3BK (CABLE - If reference name is desired)

DN 44141UA - MATERIAL (M) -
 RL Rev B
 DA Feb 20, 1973
 TI MICARTA SHAPES, ASBESTOS-PHENOLIC (NEMA AA)
 CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20
 SU SUPPLIERS:
 National Vulcanized Fibre Co, 1000 Beach St, Wilmington 99, Del
 St Regis paper co, Panelyte Div, 230 Park Ave, NY, NY 10017
 Spaulding Fibre Co, Inc, 320 Wheeler St, Tonawanda, NY
 Synthane-Taylor Corp, Valley Forge Rd, Valley Forge, Pa
 Westinghouse Electric Corp, IPD, Hampton, SC
 OR ORDER FROM SUPPLIER AS: Micarta Shapes NEMA AA*, stating part
 number.
 * Stating "Permanently mark all containers with Westinghouse
 Number"
 CH CHARACTERISTICS: (Previous 200-1 Shapes) ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~
~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~ ~~TERMINAL~~
 Micarta angles, channels and molded shapes (NEMA AA). Asbestos
 Content 80% (min).
 AP APPLICATION: High temperature applications
 CP CORPORATE PART NUMBER: MICARTA, stating number.

DN 65711AA-AJ - PD SPEC (PDS) -
RL Rev W
DA Mar 5, 1978

TI CABLE, ASBESTOS INSULATED

CA CAUTION: CUTTING OR MACHINING WILL PRODUCE ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:

(65711AA)	A-B-D-E-F-G
(65711AB)	A-B-C-D-E-F-G
(65711AC)	C-D
(65711DJ) (All Plants except Elevator)	A-B-D
(Elevator)	A-B-D-H

(A) Cerro Wire and Cable Co (Cerro) 550 Nicoll St, New Haven, CT 06504
(B) Coleman Cable Co, 1900 N Fifth Ave, River Grove, IL 60181
(D) Continental Wire and Cable Corp (Anaconda) Gulton Rd, York, P 17404
(E) Okonite Co, PO Box 340, Ramsey, NJ 07446
(F) Phelps Dodge Cable and Wire Co, Foot of Point St, Yonker, NY 10702
(G) Radix Wire Co, 26262 Lakeland Blvd, Cleveland, OH 44132
(H) United States Steel Corp (Wire and Cable Div) Ballard St, Worcester, MA 01607

OR ORDER FROM SUPPLIER AS: Cable (or Wire), stating P D Spec Number and Rev Letter.

CH CHARACTERISTICS:

Grade	Previous Grade	Users	Insulation	Treated Braid
65711AA	7419-2	BG BS EP JC M&R SDD	VC & Asb	Asb $\frac{1}{2}$
65711AB	7419-3	BG BS EP JC LAE PT PTR SH	Asb	Asb $\frac{1}{2}$
65711AC	7419-4	NE	Asb	Asb
65711AD	7419-5		Obsolete.	
65711AE	7419-8		Obsolete.	
65711AF	7419-12		Obsolete.	
65711AG	7419-15		Obsolete.	
65711AH	7419-16		Obsolete.	
65711AJ	7419-1	BE BG BS EP JC NE SDD	VC & Asb	Cotton $\frac{1}{2}$

Grade	Braid* Color	Type	Voltage*
65711AA	Black	AVA	600
65711AB	Black	AIA	600
65711AC	Black	AIA	600
65711AD			
65711AE			
65711AF			
65711AG			
65711AH			
65711AJ	Gray	AVB	600

Tinned copper wire, except 65711AB has untinned conductor

* Unless otherwise specified.

Contains fungicide.

- Circuit voltage, phase to phase.

AP APPLICATION:

(65711AA,AJ) Switchboard and control wiring.

(65711AB,AC) Apparatus leads; general use.

CP CORPORATE PART NUMBER: PDS No. + Size Code

Example: 65711AA33L (CABLE - If reference name is desired)

DN 65717AA - PD SPEC (PDS) -
 RL Rev A
 DA Jul 5, 1981
 -
 TI FIXTURE WIRE, CELLULOSE ACETATE BUTYRATE TAPE INSULATED
 -
 SU SUPPLIERS:
 Rockbestos Co, 55 Nicoll St, New Haven, CT 06504
 -
 OR ORDER FROM SUPPLIER AS: Fixture Wire, stating P D Spec Number and
 Rev Letter.
 -
 CH CHARACTERISTICS: 65717AA (Previous 8026-16) (Users: BE BM BS GC VK)
 Fixture wire insulated with cellulose acetate butyrate tape, and
 felted, treated asbestos insulation, and an outer braid of glass
 yarn treated with flame resistant lacquer.
 -
 DS DOT SHIPPING REGULATIONS: Not Applicable.
 -
 AP APPLICATION: Motor application fixture wire
 -
 CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 65717AA34Z (FIXTURE WIRE - If reference name is desired)

DN 66711AC - PD SPEC (PDS) -
RL Rev C
DA Sep 5, 1975

TI WIRE AND CABLE, ASBESTOS-MYLAR INSULATED, GLASS BRAID COVERED

CA CAUTION: CUTTING OR MACHINING WILL PRODUCE ASBESTOS AND GLASS DUST.
DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUSE VENTILATION
SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:
Cerro Wire and Cable Co, (Cerro Corp), 550 Nicoll St, New Haven,
CT 06504

OR ORDER FROM SUPPLIER AS: Cable, stating P D Spec, Revision Letter
and Stranding

CH CHARACTERISTICS: (Users: BM, BMM, BS, M&R) Single conductor wire and
cable insulated with two layers of felted asbestos separated by
four layers of half lapped 0.001" mylar tape. The insulation is
covered with treated dacron glass braid. Voltage rating is 600
volts.

See PDS 66711AE for similar cable except teflon tape.

AP APPLICATION: Class B Motor Lead Wire.

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 66711AC3BK (CABLE - If reference name is desired)

DN 46316CA-CQ - PD SPEC (PDS) -
 RL Rev E
 DA Aug 20, 1985
 TI ASBESTOS CEMENT SHEET
 CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.
 SU SUPPLIERS:
 (46316CA,CE,CJ,CK,CN)
 (V4296) (I) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (V4297) (I) Nicolet Industries, Inc, Maple St, Ambler PA 19002
 (46316CQ) (V4296) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (46316CQ) (V4297) Nicolet Industries, Inc, Maple St, Ambler PA 19002

NOTE 1: 46316CE cannot be furnished in 0.125, 0.188 and 0.250 inch thicknesses.
 46316CK available only in pieces 12 x 96 inch and less in length or width.

OR ORDER FROM SUPPLIER AS: Asbestos Cement Sheet, stating P D Spec Number and Rev Letter.

P D Spec	Previous Grade	Users	Description
46316CA	1712-1	BS, GC, LRA, MAR, SWG	Black, ebonized asbestos cement sheet composed of asbestos fiber and hydraulic cement impregnated with an asphaltic compound. Arc Resistance 150 sec min.
46316CB	1712-2, 2982	-	Obsolete
46316CC	1712-3	-	Obsolete
46316CD	1712-4, 5523	-	Obsolete
46316CE	1597, 1717-5	BM, DE, EL, EMO, IE, IGT, LRA, MAR, RID, SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement.
46316CF	1712-6	-	Obsolete
46316CG	1712-7	-	Obsolete
46316CH	1712-8	-	Obsolete
46316CJ	1712-9, 6224-2	DE, LRA, MAR, SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement. It is a laminated structure.
46316CK	1712-10	EL	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.016 inch.

P D Spec	Previous Grade	Users	Description
46316CL	1712-11	-	Obsolete
46316CM	1712-12	-	Obsolete
46316CN	1712-13	GC	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.031 inch.
46316CP	-	-	Obsolete
46316CQ	-	SWG	Same as 46316CA except arc resistance 250 seconds min.

TL TOLERANCES: See PDS.

EQ EQUIVALENTS(ref only):

TRADENAMES:

- (46316CA) EBONY
- (46316CC) OHMSTONE
- (46316CE) MONOBESTOS; TRANSITE
- (46316CJ) ASBESTOCITE A; MONOBESTOS BX
- (46316CK) MONOBESTOS; TRANSITE
- (46316CN) TRANSITE; MONOBESTOS

DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
46316CA,CC,CE,CJ,CK,CN,CQ	Asbestos	ORM-C	-	-

For dimensional tolerance and physical properties see PDS.

NOTE: Suppliers designations are as follows:

- 46316CA,CQ: Ebony
- 46316CE,CK,CN: Manville, Transite; Nicolet, Monobestos
- 46316CJ: Manville, Asbestocite A; Nicolet, Monobestos 6X

AP APPLICATION:

- (64316CA) Bases and general use
- (46316CE,CJ,CN) Arc shields & heat resisting applications
- (46316CK) Arc baffles for DB50 Air Cir Bkr & JCM 22 network protection
- (46316CQ) Switchgear assemblies

CP CORPORATE PART NUMBER: PDS No. + Size Code

Example: 46316CE1TW (ASB - If reference name is desired)

DN 44141UA - MATERIAL (M) -
 RL Rev B
 DA Feb 20, 1973

TI MICARTA SHAPES, ASBESTOS-PHENOLIC (NEMA AA)

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20

SU SUPPLIERS:
 National Vulcanized Fibre Co, 1000 Beach St, wilmington 99, Del
 St Regis paper co, Panelyte Div, 230 Park Ave, NY, NY 10017
 Spaulding Fibre Co, Inc, 320 Wheeler St, Tonawanda, NY
 Synthane-Taylor Corp, Valley Forge Rd, Valley Forge, Pa
 Westinghouse Electric Corp, IPD, Hampton, SC

OR ORDER FROM SUPPLIER AS: Micarta Shapes NEMA AA*, stating part
 number.
 * Stating "Permanently mark all containers with Westinghouse
 Number"

CH CHARACTERISTICS: (Previous 200-1 Shapes) (User: BE BG BW BMM BS
 EP LIM SH) Tan, semigloss, heat resistant asbestos cloth-phenolic
 Micarta angles, channels and molded shapes (NEMA AA). Asbestos
 Content 80% (min).

AP APPLICATION: High temperature applications

CP CORPORATE PART NUMBER: MICARTA, stating number.

DN 44141XA - MATERIAL (M) -
 RL Rev B
 DA Feb 20, 1973
 -
 TI MICARTA BARS, ASBESTOS-PHENOLIC (NEMA AA)
 -
 CA CAUTION: MACHINING PRODUCES ASBESTON DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20.
 -
 SU SUPPLIERS:
 National Vulcanized Fibre Co, 1000 Beach St, Wilmington, 99, Del
 St Regis Paper Co, Panelyte Div, 230 Park Ave, NY, NY 10017
 Spaulding Fibre Co, Inc, 320 Wheeler St, Tonawanda, NY
 Synthane-Taylor Corp, Valley Forge Rd, Valley Forge, PA
 Westinghouse Electric Corp, IPD, Hampton, SC
 -
 OR ORDER FROM SUPPLIER AS: Micarta Bars NEMA AA*, stating finish if
 finish other than ground is desired.
 -
 * Stating "Permanently mark all containers with Westinghouse
 Number"
 -
 CH CHARACTERISTICS: (Previous 200-1 Bars) (User: BE BG BM BMM BS EP
 LIM SH) Tan, ground, heat resistant asbestos cloth-phenolic
 Micarta bars (NEMA AA). Asbestos Content 80% (min).
 -
 EQ EQUIVALENTS(ref only): NEMA LI 1. gr AA
 -
 AP APPLICATION: High temperature applications
 -
 CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 44141XA41V (MICARTA - If reference name is desired)

DN 46316CA-CQ - PD SPEC (PDS) -
 RL Rev E
 DA Aug 20, 1985
 -
 TI ASBESTOS CEMENT SHEET
 -
 CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20.
 -
 SU SUPPLIERS:
 (46316CA,CE,CJ,CK,CN)
 (V4296) (I) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (V4297) (I) Nicolet Industries, Inc, Maple St, Ambler PA 19002
 (46316CQ) (V4296) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (46316CQ) (V4297) Nicolet Industries, Inc, Maple St, Ambler PA
 19002
 -
 NOTE 1: 46316CE cannot be furnished in 0.125, 0.188 and 0.250
 inch thicknesses.
 46316CK available only in pieces 12 x 96 inch and less
 in length or width.
 -
 OR ORDER FROM SUPPLIER AS: Asbestos Cement Sheet, stating P D Spec
 Number and Rev Letter.

P D Spec	Previous Grade	Users	Description
46316CA	1712-1	BS, OC, LRA, MAR, SWG	Black, ebonized asbestos cement sheet composed of asbestos fiber and hydraulic cement impregnated with an asphaltic compound. Arc Resistance 150 sec min.
46316CB	1712-2, 2982	-	Obsolete
46316CC	1712-3	-	Obsolete
46316CD	1712-4, 5523	-	Obsolete
46316CE	1597, 1717-5	BM, DE, EL, EMD IE, IGT, LRA, MAR, RID, SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement.
46316CF	1712-6	-	Obsolete
46316CG	1712-7	-	Obsolete
46316CH	1712-8	-	Obsolete
46316CJ	1712-9, 6224-2	DE, LRA, MAR SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement. It is a laminated structure.
46316CK	1712-10	EL	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.016 inch.

P D Spec	Previous Grade	Users	Description
46316CL	1712-11	-	Obsolete
46316CM	1712-12	-	Obsolete
46316CN	1712-13	GC	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.031 inch.
46316CP	-	-	Obsolete
46316CQ	-	SWG	Same as 46316CA except arc resistance 250 seconds min.

TL TOLERANCES: See PDS.

EQ EQUIVALENTS(ref only):

TRADENAMES:

- (46316CA) EBONY
- (46316CC) OHMSTONE
- (46316CE) MONOBESTOS; TRANSITE
- (46316CJ) ASBESTOCITE A; MONOBESTOS BX
- (46316CK) MONOBESTOS; TRANSITE
- (46316CN) TRANSITE; MONOBESTOS

DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
46316CA,CC,CE,CJ,CK,CN,CQ	Asbestos	ORM-C	-	-

For dimensional tolerance and physical properties see PDS.

NOTE: Suppliers designations are as follows:

- 46316CA,CQ: Ebony
- 46316CE,CK,CN: Manville, Transite; Nicolet, Monobestos
- 46316CJ: Manville, Asbestocite A; Nicolet, Monobestos 6X

AP APPLICATION:

- (46316CA) Bases and general use
- (46316CE,CJ,CN) Arc shields & heat resisting applications
- (46316CK) Arc baffles for DB50 Air Cir Bkr & JCM 22 network protection
- (46316CQ) Switchgear assemblies

CP CORPORATE PART NUMBER: PDS No. + Size Code

Example: 46316CE1TW (ASB - If reference name is desired)

DN 41521FJ-FL - MATERIAL (M) -
RL Rev E
DA Mar 20, 1984

TI ASBESTOS BRAKE LINING, WOVEN, BRASS WIRE REINFORCED

CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE SPDS A-20

SU SUPPLIERS:

(41521FJ)

(A) Raybestos-Manhattan, Inc, 100 Oakview Dr, Trumbull, CT 06611

(B) Reddaway Mfg Co, Inc, 32 Euclid Ave, Newark, NJ 07105

(41521FL)

(C) Cantex Corp, PO Box 184, Schenectady, NY 12306

(D) Pars, 101 S Main St, Ambler, PA 19002

OR ORDER FROM SUPPLIER AS:

(41521FJ)

(A) US-2010 Brake Lining •

(B) Redco RBW Brake Lining

(41521FL)

(C) B-72 (Mintex B2) Brake Lining *

(D) PBW Brake Lining *

- Stating "Permanently mark all containers with Westinghouse Number"

CH CHARACTERISTICS:

(41521FJ) (Users: EL) Resin bonded, brass (brass & zinc from

supplier B) wire reinforced, woven asbestos brake lining.

Coefficient of friction 0.45. Total spring force to stop and

hold 150% load from hand speed is 2079 lb. Serviceable to 399

C (750 F) and 300 psi.

(41521FK) Obsolete

(41521FL) (Users: BM) Resin-oil bonded, brass wire reinforced,

solid woven asbestos brake lining. Coefficient of friction

0.35 min. Withstands shock loads up to 288 C (550 F).

Rockwell R Hardness 38. Ground on both sides eliminating

"wear-in." Suitable for heavy duty use.

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION:

(41521FJ) Gearless elevator machines.

(41521FL) Type CB brake lining

CP CORPORATE PART NUMBER: M No. + Size Code

Example: 41521FJA75 (BRAKE LINING - If reference name is desired)

DN 53351EY-EZ - MATERIAL (M) -
 RL Rev C
 DA Jun 20, 1986

TI COMPOUND, PATCHING AND SEALING

CA CAUTION: 53351EZ CONTAINS ASBESTOS. MACHINING OR GRINDING 53351EZ WILL PRODUCE ASBESTOS DUST. AVOID BREATHING DUST FROM 53351EZ AND PROLONGED BREATHING OF VAPOR OR FUME FROM 53351EY. USE ONLY WITH ADEQUATE VENTILATION. AVOID SKIN CONTACT. SEE SPDS R-5 FOR 53351EY AND SPDS A-20 FOR 53351EZ.

SU SUPPLIERS:
 (53351EY) McDougall-Butler Div (Bisonite Co), 2248 Military Tr, Buffalo, NY 14217
 (53351EZ) 3M Co, (Adhesives Coatings and Sealers Div), 2501 Hudson Rd, St, Paul, MN 55119

OR ORDER FROM SUPPLIER AS:
 (53351EY) Epi-Flux, Type EC, 8145 Patching Compound *
 (53351EZ) Scotchseal 1279 *
 *Stating "Permanently mark all containers with Westinghouse Number."

CH CHARACTERISTICS: 53351EY (Users BM GC BS) Two part, room temperature curing, epoxy compound consisting of a filled liquid epoxy in one part and a filled polyamide with promotor in the other part. Sets up in 6 - 8 hours at room temperature.
 53351EZ (Users: EL, LRA, SWG) Gray, permanently soft, putt-like, oil soluble elastomer patching and sealing compound for filling wide seams, gaps, and holes against dust, drafts and moisture. Exhibits good adhesion, to most non-porous surfaces, and excellent resistance to water and atmospheric conditions. Sp Gr 1.44, Solids 100% by weight. Furnished as an extruded bead 0.25 x 0.188 inch.

DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
53351EY	-	-	-	93 C (200 F)
53351EZ	-	-	-	-

AP APPLICATION:
 (53351EY) Filling spaces between risers on motors, general sealing.
 (53351EZ) Sealing panels on air handling units and around cubicals.

CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 53351EZ64N (COMPOUND - If reference name is desired)

DN 53351FY - MATERIAL (M) -
 RL Rev A
 DA Jul 5, 1976
 -
 TI COMPOUND, PLASTIC, FOR SEALING
 -
 CA CAUTION: CONTAINS ASBESTOS FIBERS. MACHINING OF HARDENED
 COMPOUND COULD PRODUCE ASBESTOS DUST. DUST SHALL NOT BE BREATHED.
 ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS
 A-20.
 -
 SU SUPPLIERS:
 Mortell Co, 550 Hobbie, Kankakee, IL 60901
 (Agent: Johns-Manville, Greenwood Plaza, Denver, CO 80217)
 -
 OR ORDER FROM SUPPLIER AS: Albaseal Sealing Compound *
 -
 *Stating "Permanently mark all containers with Westinghouse Number."
 -
 CH CHARACTERISTICS: (User: PH) Permanently plastic sealing compound
 containing polybutene resin, 40% asbestos chrysotile fiber, inert
 extender pigment and synthetic rubber intermediate. Furnished as
 a separate ribbon or part of a preformed snap strap.
 -
 AP APPLICATION: Sealing insulation of joints on outdoor gas turbines.
 -
 CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 53351FY70B (COMPOUND - If reference name is desired)

W488-0032326

DN 46316CA-CQ - PD SPEC (PDS) -
 RL Rev E
 DA Aug 20, 1985
 TI ASBESTOS CEMENT SHEET
 CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20.
 SU SUPPLIERS:
 (46316CA,CE,CJ,CK,CN)
 (V4296) (I) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (V4297) (I) Nicolet Industries, Inc, Maple St, Ambler PA 19002
 (46316CQ) (V4296) Manville, Ken-Caryl Ranch, Denver, Co 80217
 (46316CQ) (V4297) Nicolet Industries, Inc, Maple St, Ambler PA
 19002
 NOTE 1: 46316CE cannot be furnished in 0.125, 0.188 and 0.250
 inch thicknesses.
 46316CK available only in pieces 12 x 96 inch and less
 in length or width.
 OR ORDER FROM SUPPLIER AS: Asbestos Cement Sheet, stating P D Spec
 Number and Rev Letter.

P D Spec	Previous Grade	Users	Description
46316CA	1712-1	BS, OC, LRA, MAR, SWG	Black, ebonized asbestos cement sheet composed of asbestos fiber and hydraulic cement impregnated with an asphaltic compound. Arc Resistance 150 sec min.
46316CB	1712-2, 2982	-	Obsolete
46316CC	1712-3	-	Obsolete
46316CD	1712-4, 5523	-	Obsolete
46316CE	1597, 1717-5	BM, DE, EL, EMD, IE, IGT, LRA, MAR, RID, SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement.
46316CF	1712-6	-	Obsolete
46316CG	1712-7	-	Obsolete
46316CH	1712-8	-	Obsolete
46316CJ	1712-9, 6224-2	DE, LRA, MAR, SWG	Gray-white asbestos cement sheet composed of asbestos fiber and hydraulic cement. It is a laminated structure.
46316CK	1712-10	ED	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.016 inch.

P D Spec	Previous Grade	Users	Description
46316CL	1712-11	-	Obsolete
46316CM	1712-12	-	Obsolete
46316CN	1712-13	GC	Asbestos cement sheet 46316CE having a thickness tolerance of plus or minus 0.031 inch.
46316CP	-	-	Obsolete
46316CQ	-	SWG	Same as 46316CA except arc resistance 250 seconds min.

TL TOLERANCES: See PDS.

EQ EQUIVALENTS(ref only):

TRADENAMES:

(46316CA) EBONY
(46316CC) OHMSTONE
(46316CE) MONOBESTOS; TRANSITE
(46316CJ) ASBESTOCITE A; MONOBESTOS BX
(46316CK) MONOBESTOS; TRANSITE
(46316CN) TRANSITE; MONOBESTOS

DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
46316CA,CC,CE,CJ,CK,CN,CQ	Asbestos	ORM-C	-	-

For dimensional tolerance and physical properties see PDS.

NOTE: Suppliers designations are as follows:

46316CA,CQ: Ebony
46316CE,CK,CN: Manville, Transite; Nicolet, Monobestos
46316CJ: Manville, Asbestocite A; Nicolet, Monobestos 6X

AP APPLICATION:

(64316CA) Bases and general use
(46316CE,CJ,CN) Arc shields & heat resisting applications
(46316CK) Arc baffles for DB50 Air Cir Bkr & JCM 22 network
protection
(46316CQ) Switchgear assemblies

CP CORPORATE PART NUMBER: PDS No. + Size Code

Example: 46316CE1TW (ASB - If reference name is desired)

DN 41511AA - PD SPEC (PDS) -
 RL Rev A
 DA Jul 5, 1976
 TI ASBESTOS TAPE, WOVEN
 CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
 BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
 SPDS A-20.
 SU SUPPLIERS:
 (A) Amatex Corp, 1030 Stanbridge St, Norristown, PA 19404
 (B) Atlas Textile Co, 538 Walnut St, North Wales, PA 19454
 (C) H K Porter, Inc, 1000 Seaboard St, Charlotte, NC 28206
 (D) Raybestos-Manhattan, Inc, 100 Oakview Dr, Trumbull, CT 06611
 (E) Uniroyal, 1230 Ave of Americas, NY, NY 10020
 (.010" thk) A-B-E
 (.015", .025" thk) A-B-C-D-E
 OR ORDER FROM SUPPLIER AS: Tape, P D Spec 41511AA Rev A.
 CH CHARACTERISTICS: (Previous 1598) (Users: BM EP JC MAR PT SH) Closely
 woven, unsized asbestos tape, .010", .015" and .025" thk. Tape
 .015" thk and over is constructed of asbestos yarns, both warp and
 fill, which may contain 20% (max) cotton. Tape .010" thk contains
 in addition to asbestos warp yarns two cotton threads at each edge
 and filler is of fine cotton yarn. Cotton content of asbestos
 warp threads is approx 17% and total percentage of cotton is
 approx 27%.
 For additional properties and construction details see PDS.
 TL TOLERANCES: See PDS
 EQ EQUIVALENTS(ref only): MIL-I-3053, tape. grade U.G., type 2PU
 TRADENAMES: MIL I 3053 GR U G TYPE 2PU
 AP APPLICATION: Taping TI 130 armature coils.
 CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 41511AA1BM (ASB TAPE - If reference name is desired)

DN 42241AA-AG - MATERIAL (M) -
RL Rev E
DA Feb 20, 1981
TI ASBESTOS SHEET, COMPRESSED, RUBBER BONDED
CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
BREAthed. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
SEE SPDS A-20.

SU SUPPLIERS:
(42241AB) John-Manville, Ken-Caryl Ranch, Denver, CO 80217
(42241AD, AF, AG) Garlock, Inc, 1250 Midtown Tower, Rochester, NY
14604
(42241AE) (A) Johns-Manville, Ken Caryl Ranch, Denver, CO 80217
(B) Raybestos-Manhattan, Inc, 100 Oakview Dr, Trumbull,
CT 06611

OR ORDER FROM SUPPLIER AS:
(42241AB) Asbestos Sheet 76 (graphitized one side only) *
(42241AD) Garlock 901 *
(42241AE) (A) Service Sheet 60 *
(B) RM A-56 *
(42241AF) Garlock 7021 *
(42241AG) Garlock 7021 Rock Hard *
* Stating "Permanently mark all containers with Westinghouse M
Number"

CH CHARACTERISTICS:
42241AA (Previous 4228-1) Obsolete.
42241AB (Previous 4228-2) (Users: JC PH) Compressed asbestos sheet,
graphitized one side only, made from long fiber asbestos bonded
with neoprene. Tensile Str 3,000 psi avg. Suitable for high or
low pressure and temperature service against hot oils,
petroleum solvents, refrigerants such as Freon, animal &
vegetable oils, carbon tetrachlorides, etc. Compressibility 5
- 20%. Recovery 45% min.
42241AC (Previous 4228-3) Obsolete.
42241AD (Previous 4228-4) (User SD) Compressed asbestos sheet made
from Canadian asbestos fiber bonded with SBR rubber and having
a graphite finish. It is a pliable sheet with high tensile
strength, suitable for use against temperatures up to 371 C
(700 F) superheated or saturated steam, air, gas ammonia and
most chemical solutions.
42241AE (User: LRA) Ungraphited, compressed asbestos sheet made
from long fiber asbestos bonded with rubber. Tensile Str 4000
psi avg. Compressibility 9 to 17%. Recovery 55% avg.
Suitable for varnish treatment.
42241AF (Users: ET SD) Black, compressed, flexible, asbestos sheet
made from 75-79% white Chrysotile asbestos fiber bonded with
SBR rubber. Especially designed for oils and solvents at
elevated temperatures as well as steam, air, water and gas up
to 371 C (700 F). Tensile Str 6800 psi (WG); 3600 psi (CG).
Compressibility (5000 lb load) 12 +/- 5%. Recovery 40% min.
Density 1 oz/cu inch. Comforms to MIL-A-17472 and HH-P-46.

42241AG (User: SD) Same as 42241AF except cured for an extended time.

EQ EQUIVALENTS(ref only):
(42241AF) MIL-A-17472;HH-P-46
(42241AG) MIL-A-17472; cured HH-P-46, cured

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION:
(42241AB) Water chiller, condenser, suction box, water heater gaskets.
(42241AD) Airconditioning units.
(42241AE) Electrical gaskets.
(42241AF,AG) Industrial fans.

CP CORPORATE PART NUMBER: M No. + Size Code
Example: 42241AB1NR (ASB - If reference name is desired)

DN 45833AA - MATERIAL (M) -
 RL Rev B
 DA Jul 5, 1976

TI HOSE, ASBESTOS-NEOPRENE, FIRE RESISTANT

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
 BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
 SEE SPDS A-20.

SU SUPPLIERS:
 DJ Industrial Sales, 403 Ormont Dr, Weston, Ontario M9L 1N8 Canada

OR ORDER FROM SUPPLIER AS: Asbestos-Neoprene Hose 84-27-840-01 *
 * Stating "Permanently mark all containers with Westinghouse Number"

CH CHARACTERISTICS: (User: JC) Fire resistant asbestos-neoprene rubber
 hose consisting of a neoprene rubber inner tube, 3 ply asbestos
 fabric and a 65 +/- 5 Shore A durometer neoprene rubber outer
 wrap. Total wall thickness is approximately 0.188".

AP APPLICATION: Bi-parting freight doors.

CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 45833AA8LE (HOSE - If reference name is desired)

MW88-0032336

DN 53533FP-FW - MATERIAL (M) -
RL Rev G
DA Oct 20, 1977

TI COMPOUND, PROTECTIVE, COAL TAR

CA CAUTION: 53533FP, FT, FU, FV, FW, FLAMMABLE 53533FS COMBUSTIBLE LIQUIDS.
KEEP SPARKS AND FLAMES AWAY. AVOID BREATHING VAPOR OR MIST. USE
ONLY WITH ADEQUATE VENTILATION. AVOID SKIN CONTACT WITH
53533FP, FS, FT, FU, FV, FW AND PROLONGED OR REPEATED CONTACT WITH
53533FR. SEE SPDS C-9.

SU SUPPLIERS:

(53533FP, FQ) Tapecoat Co, 1525 Lyons St, Evanston, IL 60204

(53533FR)

(A) 3M Co, (Adhesives Coatings & Sealers), PO Box 119, Bristol,
PA 19007

(B) Quaker State Oil Refining Corp, Oil City, PA 16301

(53533FS) Koppers Co, Inc, 1350 Koppers Bldg, Pittsburgh, PA 15219

(53533FT) Tnemec Co, Inc, 121 West 23rd Ave, North Kansas City, MO
64116

(53533FU) Carboline Co, 328 Hanley Industrial Center, St Louis, MO
63144

(53533FV) PPG Industries, Inc, One Gateway Center, Pittsburgh, PA
15222

(53533FW) Carboline Co, 350 Hanley, St Louis, MO 63144

OR ORDER FROM SUPPLIER AS:

(53533FP) TC Coldprime *

(53533FQ) Tapecoat CT, stating width

(53533FR) (A) Scotchclad 1000 *

(B) Sound-off *

(53533FS) Bitumastic Black Solution *

(53533FT) Tnemec Tar 413 *

(53533FU) Carbomastic 14 *

(53533FV) Coal Cat *

(53533FW) Carbomastic 3 *

*Stating "Permanently mark all containers with Westinghouse Number".

CH CHARACTERISTICS:

53533FP (Users: JC) Primer consisting of coal tar pitch with
aromatic and chlorinated solvents. Yields 400 sq ft/gal
(approx).

53533FQ (Users: JC) Cold applied, fortified coal tar protective
coating compound in tape form. Furnished in various widths.

Contains a built in corrosion resistant coal tar fortified
pressure sensitive bonding agent. Provides penetration
resistance equivalent to hot applied coal tar coatings.

Bonding agent is protected by an easily removed release paper.

~~Color of compound is red-dark brown, water base emulsified asphalt~~
and ~~asphalt~~ sound deadening protective compound. Has
consistency of soft mush with net weight of 8.8 to 9.2 lb/gal.
Thoroughly dries in 48 hours.

- 53533FS (User: PH) Black solution of pitch derived tars, solvents, and other agents which impart desirable wetting properties. Contains no fiber or filler. Consistency similar to light fluid paint. May be applied by brush, immersion, roller, or spray. Dries in 2 to 4 hours. Allow 12 hours between succeeding coats. Coating applied per PS 83342KW.
- 53533FT (Users: PH) Black, coal tar - epoxy resin base protective coating. Exhibits low moisture and vapor transmission, resists abrasion and functions well in salt alkali and acid fume environments. Solid (by wt) 82%, Flash Point Above 26.5 C (80 F), Wt 11.5 lb/gal, Shelf Life 12 months, Pot Life at 32 C (90 F) 4 hours.
- 53533FU (Users: PH) Black or red, two component, heavy duty coal tar coating that dries to a smooth hard finish. Exhibits greater tolerance to damp surfaces than conventional coal tar coatings. Solids 82 to 86% by wt. Drying Time 8 hours at 32 C (90 F), Not to be immersed in aromatics, ketones or strong oxidizing acids. Spray application gives best results; may be brushed on. Kit contains 1 part Component A (Red or Black) to 10 parts Component B. Pot Life 6 to 8 hours at 23.9 C (75 F), Shelf Life 18 months.
- 53533FV (Users: PH) Black two component polyamide epoxy protective compound, used with 53533FW. Wt 9.7 to 10.3 lb/gal. Solids (by wt) 79 to 81%, Pot Life at 25 C (77 F) 8 to 10 hours, Shelf Life at 25 C (77 F) 8 months.
- 53533FW (Users: PH) Brown, two component, heavy duty high build epoxy coal tar primer used with 53533FW. Solids (mixture by vol) 75 to 77%, Applied by brush or spray. Shelf Life 2 years.

AP APPLICATION:

- (53533FP) Primer for 53533FQ.
- (53533FQ) Protective coating for hydraulic elevator pipe.
- (53533FR) Protect backs of elevator cab panels.
- (53533FS) Protective coating for heat transfer apparatus PS 83342KW.
- (53533FT) Coating evaporative cooling tanks.
- (53533FU,FV,FW) Coating for heat transfer apparatus.

CP CORPORATE PART NUMBER: M No. + Size Code

Example: 53533FS01B (COMPOUND - If reference name is desired)

DN 65711AA-AJ - PD SPEC (PDS) -
RL Rev W
DA Mar 5, 1978

TI CABLE, ASBESTOS INSULATED

CA CAUTION: CUTTING OR MACHINING WILL PRODUCE ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:
(65711AA) A-B-D-E-F-G
(65711AB) A-B-C-D-E-F-G
(65711AC) C-D
(65711DJ) (All Plants except Elevator) A-B-D
(Elevator) A-B-D-H

(A) Cerro Wire and Cable Co (Cerro) 550 Nicoll St, New Haven, CT 06504
(B) Coleman Cable Co, 1900 N Fifth Ave, River Grove, IL 60181
(D) Continental Wire and Cable Corp (Anaconda) Gulton Rd, York, P 17404
(E) Okonite Co, PO Box 340, Ramsey, NJ 07446
(F) Phelps Dodge Cable and Wire Co, Foot of Point St, Yonker, NY 10702
(G) Radix Wire Co, 26262 Lakeland Blvd, Cleveland, OH 44132
(H) United States Steel Corp (Wire and Cable Div) Ballard St, Worcester, MA 01607

OR ORDER FROM SUPPLIER AS: Cable (or Wire), stating P D Spec Number and Rev Letter.

CH CHARACTERISTICS:

Grade	Previous Grade	Users	Insulation	Treated Braid
65711AA	7419-2	BE BS EP JC NE SDD	VC & Asb	Asb
65711AB	7419-3	BE BS EP JC LAE PT	Asb	Asb
65711AC	7419-4	PTA SH	Asb	Asb
65711AD	7419-5		Obsolete.	
65711AE	7419-8		Obsolete.	
65711AF	7419-12		Obsolete.	
65711AG	7419-15		Obsolete.	
65711AH	7419-16		Obsolete.	
65711AJ	7419-1	BE BG BS EP JC NE SDD	VC & Asb	Cotton

Grade	Braids Color	Type	Voltage*
65711AA	Black	AVA	600
65711AB	Black	AIA	600
65711AC	Black	AIA	600
65711AD			
65711AE			
65711AF			
65711AG			
65711AH			
65711AJ	Gray	AVB	600

- Tinned copper wire, except 65711AB has untinned conductor
- * Unless otherwise specified.
- ‡ Contains fungicide.
- Circuit voltage, phase to phase.

AP APPLICATION:

- (65711AA,AJ) Switchboard and control wiring.
- (65711AB,AC) Apparatus leads; general use.

CP

CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 65711AA33L (CABLE - If reference name is desired)

DN 76502CA-CJ - PD SPEC (PDS) -
RL Rev E
DA Jun 20, 1977

TI GLOVES, WORK

CA CAUTION: CONTINUED USE OF GLOVES 76502CE WILL RESULT IN ASBESTOS FIBERS BREAKING OFF AND BECOMING AIRBORNE. AVOID BREATHING THIS ASBESTOS BEARING DUST. ADEQUATE VENTILATION SHALL BE PROVIDED FOR OPERATIONS WHERE THESE GLOVES ARE USED. DISCARD GLOVES WHEN SIGNS OF DETERIORATION ARE EVIDENT. SEE SPDS A-20.

Recommended by Corp Industrial Hygiene for all Westinghouse Plants.

SU SUPPLIERS:

(76502CA)	C-D-E-H-M-N
(76502CB) (Except EP)	S
(For EP)	S-U
(76502CC)	B-K-V-X-Y-Z-AB-
	AC-AD-AE
(76502CD)	G-J-Q-R
(76502CE)	A
(76502CF)	AF-AG-AJ-AK
(76502CG)	P-T
(76502CH)	W-AA-AH
(76502CJ)	F-L-AL

(A) Asbestos Products Co, Cleveland, OH 44111
(B) Best Mfg Corp, Menlo, Georgia 30731
(C) (AA) (AE) (AL) Boss Mfg Co, Kewanee, IL 61443
(D) (X) Brookville Glove Co, Inc, Brookville, PA 15825
(E) (Y) Carolina Glove Co, Inc, Newton, NC 28658
(F) Conover Glove Mfg Co, Conover, NC 28613
(G) (T) (AF) Edmont-Wilson Co, Coshocton, OH 43812
(H) (Z) (AH) Good Luck Glove Co, Carbondale, IL 62901
(J) (P) (AG) Granet Corp, Framingham, MA 01701
(K) Illinois Glove Co, Skokie, IL 60076
(L) Jomac, Inc, Warrington, PA 18976
(M) (AB) (AJ) Julius Kraft Co, Inc, Auburn, NY 13021
(N) (AC) Knoxville Glove Co, Knoxville, TN 37901
(Q) Mine Safety Appliances Co, Pgh, PA 15208
(R) (AK) Pioneer Rubber Co, Willard, OH 44890
(S) (AD) Racine Glove Co, Inc, Rio, WI 53960
(U) Sager Glove Corp, Chicago, IL 60647
(V) Sears, Roebuck & Co, Chicago, IL 60624
(W) Southern Glove Co, Conover, NC 28613

OR ORDER FROM SUPPLIER AS: Glove, stating P D spec Number and Rev Letter and supplier's number as follows:

(76502CA) (C)699; (D)410; (E)310; (H)870; (M)101-BT; (N)126.
(76502CB) (S)88A12 Standard; RD6066 Jumbo; (U)76502CB Standard;
76502CB Jumbo.
(76502CC) (B)338; (K)215; (V)56157; (X)80-S; (Y) WX5754S; (Z)302;
(AB)410 SC; (AC)6959S; (AD)3631; (AE)1346.
(76502CD) (G)922; (J)612; (Q) CF-34324; (R)120.

Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 3, PDS 76502CA-CJ
Corp Stds, Pittsburgh, PA 15235 Rev E ; Jun 20, 1977

WBBB-0032344

(76502CE) (A)55FD-14.
 (76502CF) (AF)36; (AG) V10; (AJ)12; (AK)5232.
 (76502CG) (P) V-11; (T)32.
 (76502CH) (W)35-B; (AA)4817; (AH)172.
 (76502CJ) (F)7245 Standard; 7245J Jumbo; (L)676; (AL) 1TC - 2121

CH CHARACTERISTICS: Work gloves, as follows:

Grade	Previous Grade	Users	Description
76502CA	7530-1, 4865	AC AB BM BMM BS CL EMD EP IH JC M&R PCB VK	Cotton drill with band top.
76502CB	7530-3, 5638	BG GM BMM BS CL DT EMD EP IH JC M&R PCB SH	Welders all leather gauntlet with heat breaker.
76502CC	7530-4, 4446	BG BM BMM BS CL EMD EP ET IH JC M&R PCB SDD SH VK	Leather plam with safety cuff.
76502CD	7530-6	BG BM BMM BS CL EP IH JC LAE M&R PCB SDD VK	Neoprene coated, chemical resistant, cotton drill gauntlet.
76502CE	7530-7, 8078-1	EP IH JC	Asbestos gauntlet with flameproofed duck reinforcement.
76502CF	7530-8	BG BM BMM BS IH VK	Full vinyl coated cotton drill with band top.
76502CG	7530-9	EP IH PCB	Cotton drill, vinyl coated palm, with band top.
76502CH	7530-10	CL IH SH VK	Double (24 oz) palm cotton flannel with band top and knuckle strap.
76502CJ	7530-11	CL ET IH JC VK	Reversible terry cloth with band top.

For complete details see PDS.

NOTE: See Corp Size Code Manual for Size Codes.

EQ EQUIVALENTS(ref only):
 TRADENAMES: (76502CB) RD6066

AP APPLICATION:
 (76502CA) General use.
 (76502CB) Welding.
 (76502CC) Heavy or rough handling.
 (76502CD) Most solvents, acids and alkalies and oily or greasy parts.
 (76502CE) Hot materials.

(76502CF) Acids, alkalies and other water solutions.
(76502CG) Operations involving abrasion.
(76502CH) Hot molding operations.
(76502CJ) Polished surfaces.

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 76502CB01V (GLOVE - If reference name is desired)

MWBB-0032346

DN 76502CA-CJ - PD SPEC (PDS) -
RL Rev E
DA Jun 20, 1977

TI GLOVES, WORK

CA CAUTION: CONTINUED USE OF GLOVES 76502CE WILL RESULT IN ASBESTOS FIBERS BREAKING OFF AND BECOMING AIRBORN. AVOID BREATHING THIS ASBESTOS BEARING DUST. ADEQUATE VENTILATION SHALL BE PROVIDED FOR OPERATIONS WHERE THESE GLOVES ARE USED. DISCARD GLOVES WHEN SIGNS OF DETERIORATION ARE EVIDENT. SEE SPDS A-20.

Recommended by Corp Industrial Hygiene for all Westinghouse Plants.

SU SUPPLIERS:

(76502CA)	C-D-E-H-M-N
(76502CB) (Except EP)	S
(For EP)	S-U
(76502CC)	B-K-V-X-Y-Z-AB-
	AC-AD-AE
(76502CD)	G-J-Q-R
(76502CE)	A
(76502CF)	AF-AG-AJ-AK
(76502CG)	P-T
(76502CH)	W-AA-AH
(76502CJ)	F-L-AL

(A) Asbestos Products Co, Cleveland, OH 44111
(B) Best Mfg Corp, Menlo, Georgia 30731
(C) (AA) (AE) (AL) Boss Mfg Co, Kewanee, IL 61443
(D) (X) Brookville Glove Co, Inc, Brookville, PA 15825
(E) (Y) Carolina Glove Co, Inc, Newton, NC 28658
(F) Conover Glove Mfg Co, Conover, NC 28613
(G) (T) (AF) Edmont-Wilson Co, Coshocton, OH 43812
(H) (Z) (AH) Good Luck Glove Co, Carbondale, IL 62901
(J) (P) (AG) Granet Corp, Framingham, MA 01701
(K) Illinois Glove Co, Skokie, IL 60076
(L) Jomac, Inc, Warrington, PA 18976
(M) (AB) (AJ) Julius Kraft Co, Inc, Auburn, NY 13021
(N) (AC) Knoxville Glove Co, Knoxville, TN 37901
(Q) Mine Safety Appliances Co, Pgh, PA 15208
(R) (AK) Pioneer Rubber Co, Willard, OH 44890
(S) (AD) Racine Glove Co, Inc, Rio, WI 53960
(U) Sager Glove Corp, Chicago, IL 60647
(V) Sears, Roebuck & Co, Chicago, IL 60624
(W) Southern Glove Co, Conover, NC 28613

OR ORDER FROM SUPPLIER AS: Glove, stating P D spec Number and Rev Letter and supplier's number as follows:

(76502CA) (C) 699; (D) 410; (E) 310; (H) 870; (M) 101-BT; (N) 126.
(76502CB) (S) 88A12 Standard; RD6066 Jumbo; (U) 76502CB Standard;
76502CB Jumbo.
(76502CC) (B) 338; (K) 215; (V) 56157; (X) 80-S; (Y) WX5754S; (Z) 302;
(AB) 410 SC; (AC) 6959S; (AD) 3631; (AE) 1346.
(76502CD) (G) 922; (J) 612; (Q) CF-34324; (R) 120.

Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 3, PDS 76502CA-CJ
Corp Stds, Pittsburgh, PA 15235 Rev E; Jun 20, 1977

HWBB-0032348

MWBB-0032349

(76502CE) (A)55FD-14.
 (76502CF) (AF)36; (AG) V10; (AJ)12; (AK)5232.
 (76502CG) (P) V-11; (T)32.
 (76502CH) (W)35-B; (AA)4817; (AH)172.
 (76502CJ) (F)7245 Standard; 7245J Jumbo; (L)676; (AL) 1TC - 2121

CH CHARACTERISTICS: Work gloves, as follows:

Grade	Previous Grade	Users	Description
76502CA	7530-1, 4865	AC AB BM BMM BS CL EMD EP IH JC M&R PCB VK	Cotton drill with band top.
76502CB	7530-3, 5638	BG GM BMM BS CL DT EMD EP IH JC M&R PCB SH	Welders all leather gauntlet with heat breaker.
76502CC	7530-4, 4446	BG BM BMM BS CL EMD EP ET IH JC M&R PCB SDD SH VK	Leather plam with safety cuff.
76502CD	7530-6	BG BM BMM BS CL EP IH JC LAE M&R PCB SDD VK	Neoprene coated, chemical resistant, cotton drill gauntlet.
76502CE	7530-7, 8078-1	EP IH M&R	Leather gauntlet with flameproofed duck reinforcement.
76502CF	7530-8	BG BM BMM BS IH VK	Full vinyl coated cotton drill with band top.
76502CG	7530-9	EP IH PCB	Cotton drill, vinyl coated palm, with band top.
76502CH	7530-10	CL IH SH VK	Double (24 oz) palm cotton flannel with band top and knuckle strap.
76502CJ	7530-11	CL ET IH JC VK	Reversible terry cloth with band top.

For complete details see PDS.

NOTE: See Corp Size Code Manual for Size Codes.

EQ EQUIVALENTS(ref only):
 TRADENAMES: (76502CB) RD6066

AP APPLICATION:
 (76502CA) General use.
 (76502CB) Welding.
 (76502CC) Heavy or rough handling.
 (76502CD) Most solvents, acids and alkalies and oily or greasy
 parts.
~~(76502CE) Heavy duty.~~

(76502CF) Acids, alkalies and other water solutions.
(76502CG) Operations involving abrasion.
(76502CH) Hot molding operations.
(76502CJ) Polished surfaces.

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 76502CB01V (GLOVE - If reference name is desired)

DN 66111GD-GJ - PD SPEC (PDS) -
RL Rev D
DA Jul 5, 1979

TI FIXTURE WIRE, ASBESTOS INSULATED

CA CAUTION: STRIPPING OPERATIONS PRODUCE ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:
(66111GD) C-D-F-G
(66111GE) A-B-D-E-F-G-H

- (A) Cleveland Insulated Wire Co, 15203 Chatfield Ave, Cleveland, OH 44111
- (B) Continental Wire and Cable Co, Gulton Rd, York PA 17404
- (C) General Cable Corp, 101 Water St, Williamstown, MA 01267
- (D) General Electric Co, 1285 Boston Ave, Bridgeport, CT 06602
- (E) Radix Wire and Cable, 26262 Lakeland Blvd, Cleveland, OH 4413
- (F) Rhode Island Insulated Wire Co, Inc, 50 Burnham Ave, Cranston, RI 02910
- (G) Rockbestos Co, 550 Nicoll St, New Haven, CT 06504
- (H) Westlake Insulated Wire Co, 845 Canterbury Rd, Westlake, OH 44145

DR ORDER FROM SUPPLIER AS: Fixture wire, stating P D Spec Number and Rev Letter.

CH CHARACTERISTICS: 300 volt, asbestos insulated single conductor fixture wire.

Grade	Previous	Users	Description
66111GD	7420-3	EP	Enameled copper conductor
66111GE	7420-8	EP LP VK	Tinned copper conductor.
66111GF	7430-15	-	Obsolete.
66111GG	7430-19	-	Obsolete.
66111GH	7420-24	-	Obsolete.
66111GJ	7420-28	-	Obsolete.

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION: Fixture wiring

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 66111GD33M (FIXT WIRE - If reference name is desired)

DN 45723AA - PD SPEC (PDS) -
RL Rev Q
DA Nov 5, 1984

TI ASBESTOS NEOPRENE SHEET OR MOLDED GASKET, COMPRESSED, UNGRAPHITED

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUSE VENTILATION SHALL BE PROVIDED. SEE SPDS A-20.

SU SUPPLIERS:
(Sheet)

Nicolet, Inc, Ford & Washington St, Norristown, PA 19401
R M Industrial Products Co, Inc, Garco St & O'Hear Ave, North Charleston, SC 29406

(Molded Gaskets*)

Anchor Packing Co, One Buttonwood Sq N, Philadelphia, PA 19130
Shields Rubber Corp, 137 Fort Pitt Blvd, Pittsburgh, PA 15222

* NOTE: Material molded to shape may not necessarily conform to all of the requirements of this specification.

OR ORDER FROM SUPPLIER AS: Asbestos-Neoprene, stating P D Spec Number and Rev Letter.

CH CHARACTERISTICS: (Previous 7764-1) (Users: DA DT PCB PT SH) Tough, rather hard, ungraphited, highly oil resistant sheet or molded gaskets made from asbestos fiber treated with neoprene rubber and compressed. Differs from compressed asbestos sheet 42251AA in that it is much more oil resistant.

For properties see below.

Thk, Inch	Tensile Strength, Psi, Min		Compression at 5000 Psi, %, Max	Weight, lb/Yd2, Nom
	LW	CW		
0.016	3500	1200	25	1.30
.031	3500	2000	20	2.65
.062	3500	2000	20	5.35
.094	3500	2000	15	7.90
.125	3500	2000	15	10.50
.141	3500	2000	15	11.75
.156	3500	2000	15	13.00
.219	3500	2000	20	18.50

Recommended Uses: (Supplier's Data)

Steam to 300 lb pressure and 371 C (700 F).

Hot or cold water or brine to 300 lb pressure.

High and low pressure air up to 3000 lb pressure.

Gases of combustion to 500 lb pressure and 371 C (700 F).

Fuel oils to 500 lb pressure and 121 C (250 F).

On high temperatures and pressures, individual gaskets will vulcanize into one ring and give the same service as a molded ring.

Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 2, PDS 45723AA
Corp Stds, Pittsburgh, PA 15235 Rev Q ; Nov 5, 1984

MMBB-0032354

For bend test and oil resistance see PDS.

TL TOLERANCES: See PDS

EQ EQUIVALENTS(ref only):
TRADE NAMES: K 68; 150N; 238; 450

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION: Stop gaskets for oil enclosed circuit breaker bushings;
condenser bushings.

CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 45723AA1PE (ASB NEOPRENE - If reference name is desired)

MWBB-0032355

MMBB-0032357

DN 72085HJ-HR - MATERIAL (M) -
RL Rev B
DA Oct 5, 1971

TI VALVES, GLOBE, BRONZE OR STEEL BODY

SU SUPPLIERS:

(72085HJ)

- (A) Crane Co, 4100 S Kedzie Ave, Chicago, IL 60632
- (B) Scott Valve Mfg Co, McKinley Ave, N Birmingham, AL 35212
- (C) Stockham Valves & Fittings, 40000 Tenth Ave, N Birmingham, AL 35212
- (D) Walworth Co, One Decker Square, Bala Cynwyd, PA 19004

(72085HK)

- (A) Crane Co
- (B) William Powell Co, 2503 Spring Grove Ave, Cincinnati, OH 45214
- (C) Scott Valve Mfg Co
- (D) Stockham Valves & Fittings

(72085HL,HR) Crane Co

(72085HM)

- (A) Edward Valves Inc, 1234 W 145th St, E Chicago, IN
- (B) Manning Maxwell & Moore, 250-260 E Main St, Stratford, CT 06497

(72085HN)

- (A) Edward Valves Inc
- (B) Vogt, Henry Machine Co, 1000 W Ormsby St, Louisville, KY 40201

(72085HQ)

- (A) Belknap Mfg Co, 800 Union Ave, Bridgeport, CT
- (B) Ohio Brass Co, 300 N Diamond St, Mansfield, OH 44902

OR ORDER FROM SUPPLIER AS:

(72085HJ)

- (A) Bronze Globe Valve, Fig 7 with #6 disk, stating size.
- (B) Bronze Globe Valve, Fig 770, stating size.
- (C) Bronze Globe Valve, No B22, stating size.
- (D) Bronze Globe Valve, Fig 95, stating size.

(72085HK)

- (A) Bronze Globe Valve, Fig 362E.
- (B) Bronze Globe Valve, Fig 120, stating size.
- (C) Bronze Globe Valve, Fig 251, stating size.
- (D) Bronze Globe Valve, Fig B66, stating size.

(72085HL) Bronze Globe Valve, Fig 9 with a #6 disk, stating size.

(72085HM)

(For Sizes 1" and less)

- (A) Steel Globe Valve, Fig 444, stating size.
- (B) Steel Globe Valve, Hancock No 5520S, stating size.

(For Sizes over 1")

- (A) Steel Globe Valve, Fig 448, stating size.
- (B) Steel Globe Valve, Hancock No 5520S, stating size.

(72085HN)

- (A) Steel Globe Valve, Fig 152, stating size.
- (B) Steel Globe Valve, Fig 9873, stating size.

(72085HQ)

(A) Bronze Globe Disk Valve, Fig 101-1/4 with boss tapped on the inlet side for 0.375" sampling valve, stating size.

(B) Bronze Globe Disk Valve, Fig 18MSR, stating size.

(72085HR) Bronze Globe Valve, Fig 207, stating size.

CH CHARACTERISTICS: Globe valves, unless otherwise specified, tapped on both ends with American Standard pipe threads:

Grade	Previous Grade	Users	Description
72085HJ	4769-4	EP PCB	Bronze globe valves with renewable asbestos disk. For working pressure of 150 psi (saturated steam) & 300 psi (nonshock cold water, oil and gas).
72085HK	4769-5	EP PCB	Bronze globe valves with regrindable alloy seat. For working pressure of 300 psi (saturated steam) & 600 psi (nonshock cold water, oil and gas).
72085HL	4769-9	EP PCB	Flanged bronze globe valve with a medium hard composition disk. For working pressure of 150 psi (saturated steam) and 300 psi (nonshock cold water, oil and gas).
72085HM	4769-10	EP PCB	Steel globe valve with a stainless steel disk. For working pressure of 600 psi (saturated steam).
72085HN	4769-11	EP PCB	Steel globe valve with stainless steel steam. For working pressure of 600 psi (saturated steam).
72085HP	4769-12	EP PCB	Canceled, superseded by 72085HJ.
72085HQ	4769-13	EP PCB	Bronze globe disk valve with a composition disk and the inlet side tapped for 0.375" sampling valve. For working pressure of 150 psi (saturated steam).
72085HR	4769-14	EP PCB	Bronze globe valve with a renewable composition disk. Air tested. For working pressure of 400 psi (oil and gas).

Size Codes - See Corp Std 720A05.

CP CORPORATE PART NUMBER: M No.

Example: 72085HJ00F (VALVE - If reference name is desired)

DN 42241AA-AG - MATERIAL (M) -
RL Rev E
DA Feb 20, 1981

TI ASBESTOS SHEET, COMPRESSED, RUBBER BONDED

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE
BREADED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED.
SEE SPDS A-20.

SU SUPPLIERS:
(42241AB) John-Manville, Ken-Caryl Ranch, Denver, CO 80217
(42241AD,AF,AG) Garlock, Inc, 1250 Midtown Tower, Rochester, NY
14604
(42241AE) (A) Johns-Manville, Ken Caryl Ranch, Denver, CO 80217
(B) Raybestos-Manhattan, Inc, 100 Oakview Dr, Trumbull,
CT 06611

OR ORDER FROM SUPPLIER AS:
(42241AB) Asbestos Sheet 76 (graphitized one side only) *
(42241AD) Garlock 901 *
(42241AE) (A) Service Sheet 60 *
(B) RM A-56 *
(42241AF) Garlock 7021 *
(42241AG) Garlock 7021 Rock Hard *

* Stating "Permanently mark all containers with Westinghouse M
Number"

CH CHARACTERISTICS:
42241AA (Previous 4228-1) Obsolete.
42241AB (Previous 4228-2) (Users: JC PH) Compressed asbestos sheet,
graphitized one side only, made from long fiber asbestos bonded
with neoprene. Tensile Str 3,000 psi avg. Suitable for high or
low pressure and temperature service against hot oils,
petroleum solvents, refrigerants such as Freon, animal &
vegetable oils, carbon tetrachlorides, etc. Compressibility 5
- 20%. Recovery 45% min.
42241AC (Previous 4228-3) Obsolete.
42241AD (Previous 4228-4) (User SD) Compressed asbestos sheet made
from Canadian asbestos fiber bonded with SBR rubber and having
a graphite finish. It is a pliable sheet with high tensile
strength, suitable for use against temperatures up to 371 C
(700 F) superheated or saturated steam, air, gas ammonia and
most chemical solutions.
42241AE (User: LRA) Ungraphited, compressed asbestos sheet made
from long fiber asbestos bonded with rubber. Tensile Str 4000
psi avg. Compressibility 9 to 17%. Recovery 55% avg.
Suitable for varnish treatment.
42241AF (Users: ET SD) Black, compressed, flexible, asbestos sheet
made from 75-79% white Chrysotile asbestos fiber bonded with
SBR rubber. Especially designed for oils and solvents at
elevated temperatures as well as steam, air, water and gas up
to 371 C (700 F). Tensile Str 6800 psi (WG); 3600 psi (CG).
Compressibility (5000 lb load) 12 +/- 5%. Recovery 40% min.
Density 1 oz/cu inch. Conforms to MIL-A-17472 and HH-P-46.

42241AG (User: SD) Same as 42241AF except cured for an extended time.

EQ EQUIVALENTS(ref only):
(42241AF) MIL-A-17472;HH-P-46
(42241AG) MIL-A-17472; cured HH-P-46, cured

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION:
(42241AB) Water chiller, condenser, suction box, water heater gaskets.
(42241AD) Airconditioning units.
(42241AE) Electrical gaskets.
(42241AF,AG) Industrial fans.

CP CORPORATE PART NUMBER: M No. + Size Code
Example: 42241AB1NR (ASB - If reference name is desired)

MM88-0032365

DN 42331AJ
RL Rev B
DA Mar 5, 1979

- MATERIAL (M) -

TI PAPER, ASBESTOS

CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT
BE BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION.
SEE SPDS A-20.

SU SUPPLIERS:
Johns-Manville, Greenwood Plaza, Denver, CO 80217

OR ORDER FROM SUPPLIER AS: Quintex 1 *

* Stating "Permanently mark all containers with Westinghouse M
Number"

CH CHARACTERISTICS: (Users: ST)-Asbestos paper consisting of 80%
specially selected selected and processed asbestos fibers with a
small amount of high temperature synthetic textile fiber and heat
stable elastomeric binder. Has good moisture resistance and
thermal stability.

	0.076	0.127	0.178
Thickness, mm	-----	-----	-----
Tensile Str, kN/m, MD	.88	1.75	2.45
CD	.53	0.96	1.58
Bursting Str (Mullen) MPa	.083	.145	0.200
Tear Str, Grams, MD	40	70	100
CD	68	115	145
Elongation, %, MD	5	5	5
CD	6	6	6
Basis Wt, kg/sq m	0.06	0.11	0.15
Dielectric Str, kV/mm	11.0	12.2	11.4

	0.255	0.381
Thickness, mm	-----	-----
Tensile Str, kN/m, MD	3.41	4.03
CD	2.28	2.63
Bursting Str (Mullen) MPa	0.285	0.345
Tear Str, Grams, MD	160	240
CD	210	300
Elongation, %, MD	5	4
CD	6	5
Basis Wt, kg/sq m	0.22	0.33
Dielectric Str, kV/mm	10.6	9.1

CONVERSION TABLE SI (metric) TO CUSTOMARY UNITS

0.06 kg/sq m	= 1.2 lb/100 sq ft	0.53 kN/m	= 3 lb/inch
.076 mm	= 0.003 inch	.88 kN/m	= 5 lb/inch
.083 MPa	= 12 psi	.96 kN/n	= 5.5 lb/inch
.11 kg/sq m	= 2.2 lb/100 sq ft	1.58 kN/m	= 9 lb/inch
.127 mm	= 0.005 inch	1.75 kN/m	= 10 lb/inch
.145 MPa	= 21 psi	2.28 kN/m	= 13 lb/inch
.15 kg/sq m	= 3.0 lb/100 sq ft	2.45 kN/m	= 14 lb/inch
.178 mm	= 0.007 inch	2.63 kN/m	= 15 lb/inch
.200 MPa	= 29 psi	3.41 kN/m	= 19.5 lb/inch
.22 kg/sq m	= 4.5 lb/100 sq ft	4.03 kN/m	= 23 lb/inch
.255 mm	= 0.010 inch	9.1 kV/mm	= 230 vpm
.285 MPa	= 41 psi	10.6 kV/mm	= 270 vpm
.33 kg/sq m	= 6.8 lb/100 sq ft	11.0 kV/mm	= 280 vpm
.345 MPa	= 50 psi	11.4 kV/mm	= 290 vpm
.381 mm	= 0.015 inch	12.2 kV/mm	= 310 vpm

- DS DOT SHIPPING REGULATIONS: Not Applicable.
- AP APPLICATION: Mfg dry type distribution transformers.
- CP CORPORATE PART NUMBER: M No. + Size Code
Example: 42331AJ18Q (ASB PAPER - If reference name is desired)

THE BUBBLES

DN 53351ZJ-ZL - MATERIAL (M) -
 RL Rev C
 DA Jun 5, 1984
 TI COMPOUND, CAULKING AND SEALING
 CA CAUTION: AVOID PROLONGED BREATHING OF VAPOR OR FUME FROM 53351ZJ,ZL.
 USE WITH ADEQUATE VENTILATION. AVOID SKIN CONTACT WITH 53351ZJ
 AND PROLONGED OR REPEATED CONTACT WITH 53351ZK,ZL. SEE SPDS C-8.
 SU SUPPLIERS:
 (53351ZJ) Jamestown Paint and Varnish Co, 108 Main St, Jamestown,
 PA 16134
 (53351ZK) National Engineering, 5464 Wisconsin Ave, Washington, DC
 20015
 (53351ZL) Sav Cote Liquid Plastic Marine Coatings, 1094 River Ave,
 Lakewood, NJ 08701
 OR ORDER FROM SUPPLIER AS:
 (53351ZJ) Clear Epoxy K-928; Japco Code 92455 *
 (53351ZK) Nipseal 30 *
 (53351ZL) Polysulfide Caulking *
 *Stating *Permanently mark all containers with Westinghouse Number.*
 CH CHARACTERISTICS:
 53351ZJ (Users: ST) Caulking and sealing compound consisting of 4
 parts (by weight) epoxy resin 53841NL and 1 part (by weight)
 asbestos fiber 41111AJ.
 53351ZK (Users: IGT) White heavy bodied non-hardening flame
 resistant, caulk containing chopped glass. Insulation
 resistance 1400 ohm, Service Temperature 750 C (1380 F), Solids
 100% by wt. Meets MIL-I-3064. Compatible with polyvinyl
 chloride, polyvinyl acetate, and neoprene.
 53351ZL (Users: TD) Neutral colored, tough synthetic two part
 rubber caulk suitable for marine applications. Service
 Temperature -54 to 107 C (-65 to 225 F). Contains no cotton or
 primers. Applied like putty fit forms an airtight rubber
 shield.
 EQ EQUIVALENTS(ref only): (53351ZK) MIL-I-3064
 TRADENAMES: (53351ZK) MIL I 3064
 DS DOT SHIPPING REGULATIONS:

Grade	Shipping Name	Hazard Class	Ident No.	Flash Point
53351ZJ,ZK	-	-	-	-
53351ZL	Combustible Liquid, n.o.s.	Combustible Liquid	NA1993	38 C (101 F)

 AP APPLICATION:
 (53351ZJ) Caulking case seams of Type EP transformers.
 (53351ZK,ZL) General maintenance.
 CP CORPORATE PART NUMBER: M No. + Size Code
 Example: 53351ZJ02E (COMPOUND - If reference name is desired)
 Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 1, M 53351ZJ-ZL
 Corp Stds, Pittsburgh, PA 15235 Rev C ; Jun 5, 1984

NWBB-0032373

NEW YORK AIRMAILS
November 1982

DN 65717AA - PD SPEC (PDS) -
RL Rev A
DA Jul 5, 1981
-
TI FIXTURE WIRE, CELLULOSE ACETATE BUTYRATE TAPE INSULATED
-
SU SUPPLIERS:
Rockbestos Co, 55 Nicoll St, New Haven, CT 06504
-
OR ORDER FROM SUPPLIER AS: Fixture Wire, stating P D Spec Number and
Rev Letter.
-
CH CHARACTERISTICS: 65717AA (Previous 8026-16) (Users: BE BM BS GC VK)
Fixture wire insulated with cellulose acetate butyrate tape, and
felted, treated asbestos insulation, and an outer braid of glass
yarn treated with flame resistant lacquer.
-
DS DOT SHIPPING REGULATIONS: Not Applicable.
-
AP APPLICATION: Motor application fixture wire ;
-
CP CORPORATE PART NUMBER: PDS No. + Size Code
Example: 65717AA34Z (FIXTURE WIRE - If reference name is desired)

MHBB-0032375

MMBB-0032377

Non-terminating

THE LIBRARY

A-B-D-E-F-G-H

- Westinghouse Electric, R&D (FSCM 79500) Pg 1 of 1, PDS 66111GD-GJ
Corp Stds, Pittsburgh, PA 15235 Rev D ; Jul 5, 1979

DN 42251AA-AB - PD SPEC (PDS) -
RL Rev A (A890905)
DA Sep 5, 1989

TI ASBESTOS SHEET PACKING, RUBBER COMPOUNDED, COMPRESSED, UNGRAPHITED

CA CAUTION: MACHINING PRODUCES ASBESTOS DUST. DUST SHALL NOT BE BREATHED. ADEQUATE LOCAL EXHAUST VENTILATION SHALL BE PROVIDED. SEE SPDS A-20 AND PRECAUTIONARY LABEL 43422.

SU SUPPLIERS:

(42251AA)

(V4296) Manville, PO Box 5108, Denver, CO 80217

(42251AB)

(V1510) Anchor Packing Co, One Buttonwood Sq N, Philadelphia, PA 19130

(V1517) Garlock Inc, 402 Main St, Palmyra, NY 14522

(V6818) Richard Klinger, Inc, 2350 Campbell Road, Sidney, OH 45365

(V3191) Melrath Gasket Co, PO Box 9830-A, Philadelphia, PA 19140

(V5447) Raybestos-Manhattan Inc, 100 Oakview Dr, Trumbull, CT 06611

OR ORDER FROM SUPPLIER AS: Asbestos Sheet Packing, stating PD-Spec Number and Rev Letter.

US USERS:

(42251AA) DA, GC, LRA, WCL

(42251AB) LRA, PH, SU

CH CHARACTERISTICS:

42251AA (Previous 4331-1) Ungraphited, compressed asbestos sheet packing consisting of asbestos fiber, mica powder and butadiene-styrene (Buna S) rubber compound.

Thk Inch Nom	Tensile Str, Psi, Min		Insulation Resistance Megohms, Min	Apparent Density g/cm3, Nom	Wt per Yd2, lb, Nom
	Long	Trans			
.016	3000	1000	2500	1.40	1.00
.031	3000	1000	2500	1.42	2.16
.062	3500	1000	4000	1.42	4.23
.094	3500	1000	5000	1.44	6.50
.125	3500	1000	6000	1.46	8.70

42251AB (Previous 4331-3) Ungraphited and unlubricated, compressed, asbestos sheet packing consisting of asbestos fiber, natural or synthetic rubber, sulfur and suitable mineral filler. Suitable for water, steam and oil service up to 400 pounds pressure and 399 C (750 F). Conforms to HH-P-46, Class 1.

Physical Properties:

Thk, Inch Nom	Tensile Str, Psi, Min		Weight, lb/Yd2, Min
	Long	Trans	
0.016	2000	2000	.8
.031	3500	3500	2.0
.062	3500	3500	4.0
.094	3500	3500	6.0
.125	3500	3500	8.0
.188	3500	3500	12.0
.250	3500	3500	16.0

TL TOLERANCES: See PDS.

EQ EQUIVALENTS(ref only):
(42251AA) HH-P-46
(42251AB) HH-P-46, Class 1

TRADENAMES:
(42251AA) 71
(42251AB) HH-P-46, Class 1 425; 2150; 663; 150; 7735; K-61

DS DOT SHIPPING REGULATIONS: Not Applicable.

AP APPLICATION: Gaskets.

CP CORP PART NUMBER: PDS No. + Size Code (See Corp Size Code Manual)
Example: 42251AA389 (ASB - If reference name is desired)

RBC REVISION BLOCK:
- Supplier Klinger was added.
- Precautionary Label information was added.
- MIL-A-17472 was replaced by HH-P-46, Class 1.
- Engineer: JRW

CAGE 79500

Pg 2, 42251AA-AB
Rev A ; Sep 5, 1989

HWBB-0032380

DN 42231AA-AB - PD SPEC (PDS) -
 RL Rev D
 DA Jan 20, 1977
 TI ABESTOS PAPER
 CA CAUTION: DUST RESULTING FROM HANDLING OR MACHINING SHALL NOT BE
 BREATHED. USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. SEE
 SPDS A-20.
 SU SUPPLIERS:
 (42231AA) Johns-Manville, Greenwood Plaza, Denver, CO 80217
 OR ORDER FROM SUPPLIER AS: (42231AA) Paper, P D Spec 42231AA Rev D.
 CH CHARACTERISTICS: 42231AA (Previous 4262-1) (User: BM BMM CL EP MAR
 TM) High grade asbestos paper composed of nonferrous type asbestos
 fiber specially manufactured to be free from conducting particles.
 It is much freer from conducting particles than commercial
 asbestos paper 42331AA and is considerably more expensive.

Thk, Inch.	Tens Str, Min (Lb/In Width)		Tear Str, Min (Gm/In. Width)		Apparant Density Grams/cc		Basis Weight, Lb/100 Sq Ft	
Nom	MD	CMD	MD	CMD	Min	Max	Min	Max
0.005	12	7	20	28	.65	.91	1.7	2.3
.0065	15	9	28	39	.76	.89	2.4	3.1
.007	17	10	29	40	.69	.95	2.9	3.5
.010	20	12	40	47	.67	.92	3.6	4.8
.015	23	13	62	77	.69	.94	5.5	7.5

42231AB (Previous 4262-2) Obsolete.

TL TOLERANCES: See PDS
 EQ EQUIVALENTS(ref only): MIL-I-3053, type 2PU
 TRADENAMES: MIL I 3053 TYPE 2PU QUINORGO 4000
 AP APPLICATION: Treated with shellac for field coil insulation.
 CP CORPORATE PART NUMBER: PDS No. + Size Code
 Example: 42231AA18Q (ASB PAPER - If reference name is desired)