FILE NAME: Square D (SQD)

DATE: 1959-1962

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DOCUMENT DESCRIPTION: Company Product Specifications with Cover Letter

CAREY-CANADIAN MINES, LIMITED

EAST BROUGHTON STATION
QUEBEC, CANADA

Carey
ASBESTOS FIBRE

REPLY TO: P. O. BOX 95
LOCKLAND,
CINCINNATI 15,
OHIO

Reply to: 22W650 Arbor Lane
Valley View
Glen Ellyn, Ill.

March 29, 1962

Mr. Jack Baltes, Librarian
Square D Company
4041 North Richards Street
Milwaukee 12, Wisconsin

Dear Sir:

Referring to your letter requesting Technical Data Bulletins on 5D, 6D, 7M, 7D and 7R Asbestos Fibres.

To the best of my knowledge there are no technical bulletins published on asbestos fibres, however, am enclosing copy of our price list and brochure on CAREY-CANADIAN Asbestos in which you will find general information such as Q.A.M.A. Classification, chemical analysis and certain physical properties.

Presently we are shipping your Peru, Indiana plant five of our grades; namely, 5K-1, 6D-1, 7D-3, 7M-5 and 7R-3. By copy of this letter I am requesting our Mines to supply you with any additional information available on these particular grades which may be helpful to you in your division.

Very truly yours,
CAREY-CANADIAN MINES, LTD.

Fred W. Evinger
Sales Engineer

FWE/hw
encl.

SQDKVR_008719

ASBESTOS FIBRE

Fibre Grade _____ Date 5/26/59

Producer Carey-Canadian

Ro-Tap Analysis 1/2 Hour	5K-1	6D-1
% Fibre retained on 2 mesh	0.5	0.2
% Fibre retained on 4 mesh	4.0	1.0
% Fibre retained on 6 mesh	15.1	2.2
% Fibre retained on 8 mesh	22.7	9.3
% Fibre retained on 10 mesh	17.5	15.0
% Fibre retained on 14 mesh	15.1	20.7
% Fibre retained on 20 mesh		
% Fibre retained on 28 mesh		
% Fibre retained on 35 mesh		
% Fibre retained on 48 mesh		
% Fibre retained on 65 mesh		
% Fibre retained on 100 mesh		
% Fibre retained in pan	27.1	51.6

Bauer McNett Screen Analysis		
% Fibre retained on 4 mesh	5.84	1.36
% Fibre retained on 10 mesh	11.16	6.20
% Fibre retained on 20 mesh	6.84	4.68
% Fibre retained on 35 mesh	10.00	13.04
% Fibre passing 35 mesh	66.16	74.72

Oil Absorption °Mac Micheal	38	28
Wet Bulk Density cc/10 g. (100 cc)		
Wet Bulk Density cc/10 g. (500 cc)	220	163
Dry Bulk Density lbs./cu.ft.	9.95	12.49

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ASBESTOS SHORTS

Fibre Grade _____ Date 5/26/59

Producer Carey-Canadian Mine _____

	7D-3	7M-5	7R-3
% Fibre retained on 14 mesh	12.3	3.5	0.5
% Fibre retained on 28 mesh	39.6	34.6	31.3
% Fibre retained on 35 mesh	15.3	19.7	20.7
% Fibre retained on 48 mesh	8.1	11.4	10.5
% Fibre retained on 65 mesh	3.7	5.2	4.9
% Fibre retained on 100 mesh	3.2	4.1	4.6
% Fibre retained on 200 mesh			
% Fibre retained in pan	17.8	21.5	27.5

Bauer McNett Screen Analysis

% Fibre retained on 10 mesh	1.64	1.12	0.26
% Fibre retained on 20 mesh	2.90	2.68	1.58
% Fibre retained on 35 mesh	12.90	10.76	6.98
% Fibre retained on 65 mesh	10.16	10.98	8.32
% Fibre passing 65 mesh	72.40	74.46	82.86

Oil Absorption °MacMicheal	35	20	23
Wet Bulk Density cc/10 g. (100 cc.)	99		92
Wet Bulk Density cc/5 g. (100 cc.)	77	56 - 60	58
Wet Bulk Density cc/10 g. (500 cc.)	145	130	107
Dry Bulk Density lbs./cu. ft.	12.25	15.37	15.38
Grit (Mesh Screen)			

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ASBESTOS SHORTS

Fibre Grade _____ Date 5/26/59

Producer Carey-Canadian Mine _____

	7D-3	7M-5	7R-3
% Fibre retained on 14 mesh	12.3	3.5	0.5
% Fibre retained on 28 mesh	39.6	34.6	31.3
% Fibre retained on 35 mesh	15.3	19.7	20.7
% Fibre retained on 48 mesh	8.1	11.4	10.5
% Fibre retained on 65 mesh	3.7	5.2	4.9
% Fibre retained on 100 mesh	3.2	4.1	4.6
% Fibre retained on 200 mesh			
% Fibre retained in pan	17.8	21.5	27.5

Bauer McNett Screen Analysis

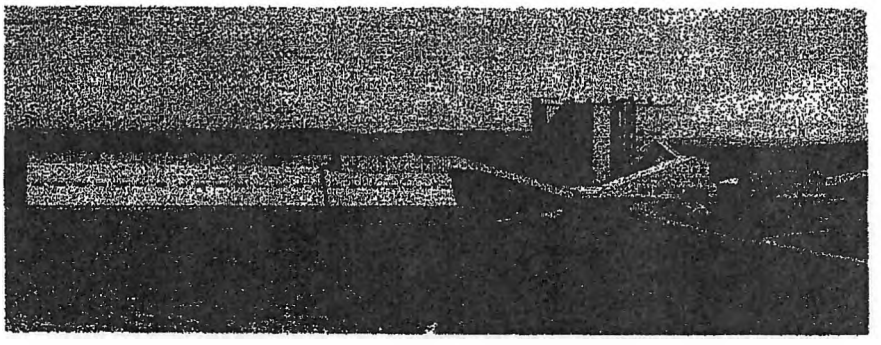
% Fibre retained on 10 mesh	1.64	1.12	0.26
% Fibre retained on 20 mesh	2.90	2.68	1.58
% Fibre retained on 35 mesh	12.90	10.76	6.98
% Fibre retained on 65 mesh	10.16	10.98	8.32
% Fibre passing 65 mesh	72.40	74.46	82.86

Oil Absorption °MacMicheal	35	20	23
Wet Bulk Density cc/10 g. (100 cc.)	99		92
Wet Bulk Density cc/5 g. (100 cc.)	77	56 - 60	58
Wet Bulk Density cc/10 g. (500 cc.)	145	130	107
Dry Bulk Density lbs./cu. ft.	12.25	15.37	15.38
Grit (Mesh Screen)			

SQDKVR_008722

CAREY-CANADIAN MINES, LIMITED

EAST BROUGHTON STATION
QUEBEC, CANADA



ASBESTOS FIBRE & SHORTS

PRICE LIST

EFFECTIVE APRIL 1, 1961

Prices Applicable In The United States And Canada Only.

LIST NO. 1, APRIL 1, 1961

SQDKVR_008723

CARLOAD PRICES PER SHORT TON,

F.O.B. MINE, IN CANADIAN FUNDS

Canadian Standard Grade Designation	Guaranteed Minimum Test	Prices Per Ton	Product Number	Freight Tariff and B/L Description
ASBESTOS FIBRE				
3F	10.5-3.9-1.3-0.3	$ 565.00	61521-34	
3K	7-7-1.5-0.5	480.00	61521-35	
3R	4-7-4-1	408.00	61521-36	
3T	2-8-4-2	370.00	61521-37	
3Z	1-9-4-2	345.00	61521-02	
4A	0-8-6-2	320.00	61520-09	
4D	0-7-6-3	218.00	61621-45	
4K	0-4-9-3	200.00	61521-18	Asbestos Fibre
4M	0-4-8-4	200.00	61521-38	
4T	0-2-10-4	181.00	61521-39	
5D	0-0.5-10.5-5	142.00	61521-19	
5K	0-0-12-4	142.00	61521-03	
5M	0-0-11-5	134.00	61521-41	
5R	0-0-10-6	120.00	61521-04	
6D	0-0-7-9	86.00	61521-13	Asbestos Waste
ASBESTOS SHORTS				
7D	0-0-5-11	75.00	61521-05	
7F	0-0-4-12	71.00	61521-14	
7H	0-0-3-13	61.00	61521-40	
7K	0-0-2-14	50.00	61521-16	
7M	0-0-1-15	44.00	61521-07	Asbestos Shorts
7R	0-0-0-16	43.00	61521-08	
7T	No Test	41.00	61521-11	
7RF	No Test	44.00	61521-42	
7TF	No Test	44.00	61521-44	

Add $4.00 to above prices for less than carload lots.

Add $10.00 to above prices for standard loose filled 50 lb. paper bags.

Terms: 1% 10 days, net 30 days. No discount allowed on freight.

ADDITIONAL PRICE INFORMATION

PRICES
All Prices are net and quoted in Canadian Funds, and are subject to change without notice.

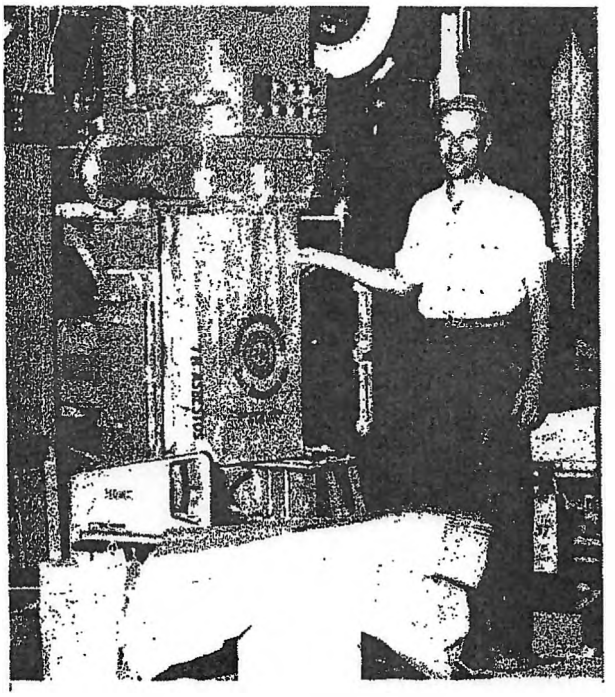
TAXES
Should any new Government Taxes be imposed, they will be added to the customer's invoice.

INVOICES
Invoices are payable in Canadian Funds, or, at Buyer's option, in U.S. dollar equivalent. All invoices will show U.S. dollar equivalent which will be based on rate of exchange in effect on date of shipment. Exchange rates are determined on the 1st and 15th days of each month.

NOTE
All quotations are subject to prior sale and orders are accepted subject to our ability to deliver as affected by causes beyond our control.

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PACKAGING INFORMATION



The standard size package is 100 lbs. The following type 100 lb. bags are available.

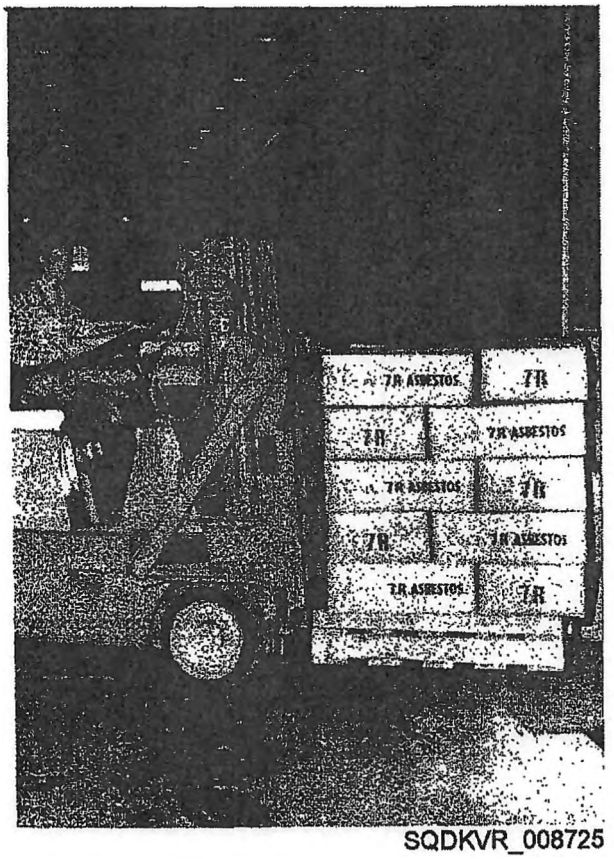
Type	Grades Available
Loose filled jute	All Grades.
Pressure packed jute	All grades except 3 group & 7RF and 7TF Floats.
Pressure packed paper	All grades except 3 group & 7M-90, 7RF and 7TF Floats.
Loose filled paper	All 7 group Asbestos Shorts except 7D grade.

Asbestos Shorts (7 group) are also available in 50 lb. loose filled paper bags at $10.00 per ton additional charge.

When packages other than standard bags listed above are required, quotations will be furnished on request.

Upon request, carload shipments of pressure packed paper bags can be palletized and unitized on expendable paper pallets.

SHIPPING INFORMATION



SQDKVR_008725

CARLOAD DEFINITIONS
Minimum carloads to (Official Territory) points east of the Mississippi and north of the Ohio and Potomac Rivers are 20 tons for Fibre and 30 tons for Waste and Shorts: however, the lowest rate applies on 50 tons. To other territories, generally the minimum weight on Fibre, Waste and Shorts is 40 tons, but to many points, lower 50 ton rates are in effect. Mixed carloads may be shipped to almost all points with each grade taking its own rate. If in doubt, check with mines or Fibre Sales Engineer.

ENTRY FEE
On all shipments originating in Canada, consigned to points in U.S.A., there is an entry fee of $3.00 per car that must be paid by buyer, and is collected at destination.

FREIGHT COLLECT
All shipments will be made freight collect. On shipments to the United States, a surcharge must be collected, in Canadian Funds, at point of shipment, to compensate Canadian Carrier for difference in U.S. and Canadian Funds. This applies when U.S. Currency is at discount in relation to Canadian currency.

This surcharge will be based on a percentage of the rate of exchange prevailing at time of shipment, in accordance with the formula set forth in Item 90 of Canadian Freight Association, Tariff #16–F.

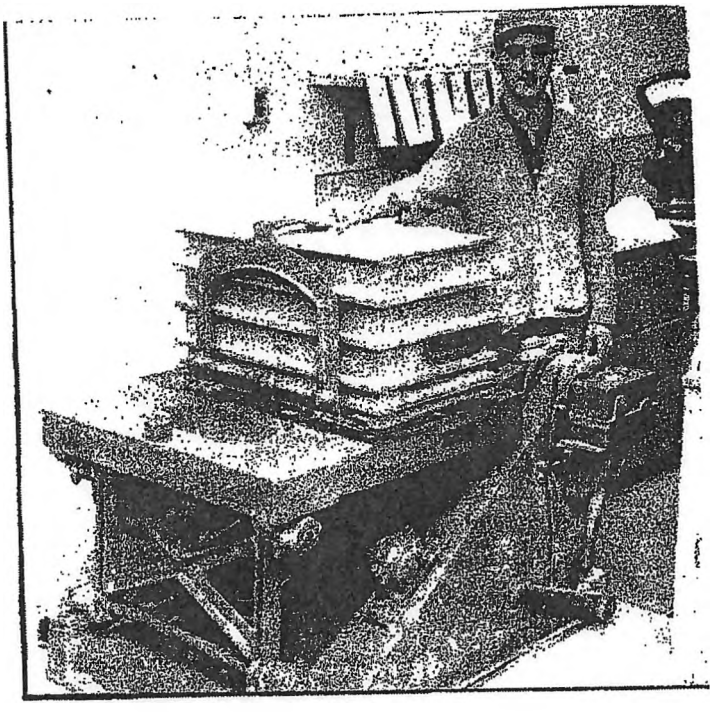
PRODUCT INFORMATION

DESCRIPTION
Carey–Canadian Asbestos is of the Canadian Chrysotile variety. Mineralogically it is hydrated magnesium silicate ($3\ Mg\ 0\ 2\ Si\ 0_2\ 2H_2\ 0$).

The hardness is from 3 to 3.5 Moh's scale and the specific gravity is 2.2 to 2.3.

CLASSES
Asbestos is divided into two general classes – Crude and Milled. Crude Asbestos consists of the hard selected cross-vein material essentially in its nature form or unfiberized form. Milled Asbestos consists of all grades produced by mechanical treatment of of asbestos ore. Grades of Canadian milled asbestos are based on the Quebec Standard Testing Machine.

TESTS
Test results are determined by the Quebec Standard Testing Machine. This machine separates a one pound sample of Asbestos Fibre on ½", 4, 10 mesh screens and pans. The test results are measured by the weight in ounces of fibre retained on the screen and in the pan in the order listed.
Classification of Milled Asbestos is based on the Quebec Standard Testing Machine.



Shipping Test is the average for each carload or smaller shipment, of tests of representative samples taken at time of shipment.
Guaranteed Minimum Shipping Test is that below which the actual shipping test shall not fail.

ASBESTOS FIBRE

GRADES	USES
Group 3	Textiles, asbestos millboard, brake lining, compressed sheet gaskets, chlorine cell filters packings, special long fibre paper and thermal insulation.
Group 4	Asbestos shingles, corrugated asbestos roofing and siding, asbestos millboard, asbestos papers, brake lining, flat asbestos sheets, asbestos pipe and wallboard.
Group 5 ✓	Asbestos papers, brake linings, asbestos millboard, asbestos-cement products, insulation cements and compressed sheet gaskets.
6D ✓	Insulation and roofing cements, asbestos-cement products, asbestos papers, brake linings and asbestos millboard.

ASBESTOS SHORTS

7D ✓	Insulation and furnace cements, asphalt compounds, plastics, and molded brake lining.
7F	Asphalt compounds, brake linings and plastics.
7H	Brake linings, caulking compounds, cold molded and compressed molded plastics.
7K	Asphalt compounds and plastics.
7M ✓	Insulation and furnace cements, caulking and asphalt compounds, welding rods, cold molded plastics and fibre plaster.
7R ✓	Asphalt, rubber and vinyl floor tile, caulking and asphalt compounds, welding rods, insulation and furnace cements, cable insulation, sound deadening compounds, cold water paints, plastics and adhesives.
7T	Rubber and vinyl floor tile, adhesives, caulking and asphalt compounds, welding rods, foundry moldings and core sand, plastics and cold water paint.
7RF	Dry wall joint fillers, gypsum plasters, cold water paints, cold molded plastics, phenolic molding powders, welding rods, radiator sealing compounds, caulking and asphalt compounds.
7TF	Asphalt compounds, adhesives, dry wall joint fillers, gypsum plasters, cold water and asphalt paint, cold molded plastics, phenolic molding powders, welding rods, fabric filler, cable insulation and strip sealing caulking compounds

U.S. OFFICE: CAREY CANADIAN MINES, LTD.
P. O. BOX 15095
CINCINNATI 15, OHIO
TELEPHONE: Valley 1–3000

7117 – 4-61

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