PLAINTIFF'S EXHIBIT

IMO-154

# MATERIAL SPECIFICATION - ASBESTOS FIBER

Scope: This specification covers asbestos fiber gasket material (Armstrong AN-8017).

Material: This material shall be made of asbestos fiber with an oil resistant synthetic rubber binder made by the modified beater-saturation process before being formed into sheets. The synthetic rubber binder shall be nitrile.

Tolerances:

| Nominal | Lot Variation |
|---|---|
| 1/64 | .031 - .018 |
| 1/32 | .028 - .034 |
| 1/16 | .057 - .067 |

Physical Requirements: On cut gaskets thickness variation shall not exceed .002 up to 1/32 and .003 up to 1/16 on nominal.

1.) Tensile Strength 2,500 psi min.
2.) Compressibility (%) @ 5,000 psi - 7 - 17
3.) Recovery % - 40 min.

This material is Armstrong Accobest AN8017 Code 0910
* with Nitrile-Butadiene rubber binder.

| Basic Code | Material Spec. | Process Spec. | Form & Condition |
|---|---|---|---|
| 0910 D* | Asbestos | As Received | Sheet - Fiber |

D* - Test Report not required to be furnished.

Void as of 4/23/91

* CHANGE - ADDITION.

TX0066

| DATE | CK. BY | APP'D. | ALTERATIONS | | |
|---|---|---|---|---|---|
| 2-23-78 | AHM | | Supersedes issue | ASBESTOS FIBER | Page 1 of 1 |
| | AHM | | dated 8-19-70 | | |
| | | HSH | Title changed. | | |
| | | | | DE LAVAL TURBINE INC. TRENTON NEW JERSEY 08602 | Code 0910 |

No. 93-L

Rev. 2

# MATERIAL SPECIFICATION - ASBESTOS FIBER

Scope: This specification covers asbestos fiber gasket material (Armstrong AN-8017).

Material: This material shall be made of asbestos fiber with an oil resistant synthetic rubber binder made by the modified beater-saturation process before being formed into sheets. The synthetic rubber binder shall be nitrile.

Tolerances:

| Nominal | Lot Variation |
|---|---|
| 1/64 | .031 - .018 |
| 1/32 | .028 - .034 |
| 1/16 | .057 - .067 |

Physical Requirements: On cut gaskets thickness variation shall not exceed .002 up to 1/32 and .003 up to 1/16 on nominal.

1.) Tensile Strength 2,500 psi min.
2.) Compressibility (%) @ 5,000 psi - 7 - 17
3.) Recovery % - 40 min.

This material is Armstrong Accobest AN8017 Code 0910.

| Basic Code | Material Spec. | Process Spec. | Form & Condition |
|---|---|---|---|
| 0910 D* | Asbestos | As Received | Sheet - Fiber |

D* - Test Report not required to be furnished.

Superseded 2-23-78

| DATE | CK. BY | APP'D. | ALTERATIONS |
|---|---|---|---|
| 8/19/70 | AHM | | Supersedes issue |
| | AHM | | dated 10/29/68. |
| | | MSH | Suffix "D" added. |

DE LAVAL TURBINE INC.
TRENTON NEW JERSEY 08602

Cellulose Fiber

Page 1 of 1

Code 0910

No. 93-L

TX0067

Rev. #1

# MATERIAL SPECIFICATION - ASBESTOS FIBER

Scope: This specification covers asbestos fiber gasket material (Armstrong AN-8017).

Material: This material shall be made of asbestos fiber with an oil resistant synthetic rubber binder made by the modified beater-saturation process before being formed into sheets. The synthetic rubber binder shall be nitrile.

Tolerances:

| Nominal | Lot Variation |
|---|---|
| 1/64 | .031 - .018 |
| 1/32 | .028 - .034 |
| 1/16 | .057 - .067 |

Physical Requirements: On cut gaskets thickness variation shall not exceed .002 up to 1/32 and .003 up to 1/16 on nominal.

1.) Tensile Strength 2,500 psi min.
2.) Compressibility (%) @ 5,000 psi - 7 - 17
3.) Recovery % - 40 min.

This material is Armstrong Accobest AN8017 Code 0910.

| Basic Code | Material Spec. | Process Spec. | Form & Condition |
|---|---|---|---|
| 0910 | Asbestos | As Received | Sheet - Fiber |

| DATE | CK. BY | APP'D. | ALTERATIONS | | |
|---|---|---|---|---|---|
| 10/29/68 | AHM | | | Cellulose Fiber | Page 1 of 1 |
| | AHM | | | | |
| | | | | DE LAVAL TURBINE INC. TRENTON NEW JERSEY 08602 | Code 0910 |

No. 93-L

TX0068

Melrath # 125
COMPRESSED ASBESTOS SHEET PACKING

DESCRIPTION: A premium "navy grade" sheet composed of graded asbestos fibers and bonded with an SBR Elastomer. Intended as a full service gasketing material where high bolt torques, temperatures and pressures will be encountered.

APPLICATIONS: Especially suited for sealing against steam, air, water, and many chemical solutions. Typical applications have been flange gaskets for paper making equipment and combustion gases.

Color: Black

Specifications: Meets ASTM D1170, P1161A, SAE J90b, P1161A, MIL_G_12803, P1161A, HH-P-0046 D Class I, MIL-A-17472B and MIL-A-7021-B Class 2. Is listed on QPL 17472.

Typical Weights:

| NOMINAL THICKNESS | POUNDS PER SQ. YD. | WEIGHT OF STOCK SHEETS - LBS. 50" x 50" | 50" x 150" |
|---|---|---|---|
| 1/64" | 1.23 | 2.37 | 7.11 |
| 1/32" | 2.46 | 4.74 | 14.22 |
| 1/16" | 4.92 | 9.48 | 28.44 |
| 1/8" | 9.84 | 18.96 | 56.88 |

PHYSICAL PROPERTIES:

| | Original |
|---|---|
| Density, lbs./cu.ft. | 105 |
| Longitudinal tensile strength, psi (typical) | 7,000 |
| Transverse tensile strength, psi (typical) | 3,000 |
| Compressibility, @ 5000 psi, % | 7-17 |
| Recovery, min., % | 40 |
| Flexibility factor, longitudinal, max. | 10T |
| Flexibility factor, transverse, max. | 8T |
| Sealability, ASTM fuel A, @ 70°F, 30" HG, 2000 psi., ML/HR | 0.5 |
| **FLUID IMMERSIONS** | |
| ASTM No. 3 oil, 5 hrs. @ 300°F | |
| Thickness increase, % | 20-50 |
| Tensile loss max., % | 70 |
| ASTM Fuel B, 5 hrs. @ 70-85°F | |
| Weight increase, max., % | 40 |
| Thickness increase, % | 15-35 |

TX0102

NOTES: Tests in accordance with ASTM designations F36, F37, F104, F146 and F152. Properties based on 1/32" thickness. See Page PK-41 for General Production information.

CONFIDENTIAL

Added to 6906 9-27-72