PLAINTIFF'S
EXHIBIT
IMO-24

Material Specification - MM-6

Scope: This specification covers plant fiber gasket material similar to ASTM D1170 Grade P3313B.

Material: The material shall be made of plant or other approved fiberized material and a binder, rolled or compressed into the form of sheet material. It shall contain no rubber, asbestos, or substance materially affected by oil, gasoline or water.

Tolerances: Packing under this specification shall be of uniform thickness with a variation of plus/minus .002" for thicknesses up to 1/32".

Physical Requirements:

(1) Tensile Strength - shall be a minimum of 2,000 psi when tested by ASTM D733.

(2) Temperature limit for the material shall be approximately 300 F.

(3) Compressability and recovery shall be tested as per ASTM Method D1147. Under a load of 1000 psi the compressability shall be from 25 to 40% and the recovery 40% minimum.

(4) Immersion in liquids shall be tested by immersion of one inch square test pieces in the proper liquid for 22 hours at room temperature. The maximum weight increase using ASTM Reference oil #2 or #3 shall be 15%.

Rejection: Failure to conform to this specification in all respects shall constitute reason for rejection.

CONFIDENTIAL

TX0087

NOTE: Use page 1 only for purchasing.

Basic Code No.	Material Specification	Process Specification	Form and Condition
0905 D*	MM-6	As received	Sheet Fiber

D* - Test report not required to be furnished.

	HPK		Supersedes issue	MM-6	Page 1 of 2
			dated 7/15/68		
7/24/70		HPK	Suffix letter 'D' added.		
DATE	CK. BY	APP'D.	ALTERATIONS	DE LAVAL TURBINE INC. TRENTON NEW JERSEY	Code 0905

No 93-L

Rev. #2

Material Specification - EM-6

Approved Brand Names and Sources:

Vellumoid	The Vellumoid Company Worcester 6, Massachusetts
Hydroil #402	The Anchor Packing Company Philadelphia, Pennsylvania
Garlock #681	The Garlock Packing Company Philadelphia 2, Pennsylvania
Melrath Sealtite #1242	Melrath Supply & Gasket Company Philadelphia 34, Pennsylvania

This specification is similar to MIL-S-20085 and ASTM D1170 Grade P3313B.

TX0088

			Supersedes issue	EM-6	Page 2 of 2
			dated 7/15/65		
7/24/70			Suffix letter 'D'		
DATE	CK. BY	APP'D.	added. ALTERATIONS	DE LAVAL TURBINE INC. TRENTON NEW JERSEY	Code 0905

Material Specification - NM-6

Scope: This specification covers plant fiber gasket material similar to ASTM D1170 Grade P3313B.

Material: The material shall be made of plant or other approved fiberized material and a binder, rolled or compressed into the form of sheet material. It shall contain no rubber, asbestos, or substance materially affected by oil, gasoline or water.

Tolerances: Packing under this specification shall be of uniform thickness with a variation of plus/minus .002" for thicknesses up to 1/32".

Physical Requirements:

(1) Tensile Strength - shall be a minimum of 2,000 psi when tested by ASTM D733.

(2) Temperature limit for the material shall be approximately 300 F.

(3) Compressability and recovery shall be tested as per ASTM Method D1147. Under a load of 1000 psi the compressability shall be from 25 to 40% and the recovery 40% minimum.

(4) Immersion in liquids shall be tested by immersion of one inch square test pieces in the proper liquid for 22 hours at room temperature. The maximum weight increase using ASTM Reference oil #2 or #3 shall be 15%.

Rejection: Failure to conform to this specification in all respects shall constitute reason for rejection.

TX0089

NOTE: Use page 1 only for purchasing.

Basic Code No.	Material Specification	Process Specification	Form and Condition
0905	NM-6	As received	Sheet Fiber

Material Specification - MM-6

Approved Brand Names and Sources:

Vellumoid	The Vellumoid Company Worcester 6, Massachusetts
Hydroil #402	The Anchor Packing Company Philadelphia, Pennsylvania
Garlock #681	The Garlock Packing Company Philadelphia 2, Pennsylvania
Melrath Sealtite #1242	Melrath Supply & Gasket Company Philadelphia 34, Pennsylvania

This specification is similar to MIL-S-20085 and ASTM D1170 Grade P3313B.

TX0090

			Supersedes issue	MM-6	Page 2 of 2
			dated 5/3/62		
7/15/65			Grade change		
DATE	CK. BY	APP'D.	ALTERATIONS	DE LAVAL TURBINE INC. TRENTON NEW JERSEY	Code 0905

No. 93-L

Material Specification - NM-6

Scope: This specification covers plant fiber gasket material similar to ASTM D1170 Grade G3212 and G3213.

Material: The material shall be made of plant or other approved fiberized material and a binder, rolled or compressed into the form of sheet material. It shall contain no rubber, asbestos, or substance materially affected by oil, gasoline or water.

Tolerances: Packing under this specification shall be of uniform thickness with a variation of plus/minus .002" for thicknesses up to 1/32".

Physical Requirements:

(1) Tensile Strength - shall be a minimum of 2,000 psi when tested by ASTM D733.

(2) Temperature limit for the material shall be approximately 300 F.

(3) Compressability and recovery shall be tested as per ASTM Method D1147. Under a load of 1000 psi the compressability shall be from 25-45% and the recovery 40% minimum.

(4) Immersion in liquids shall be tested by immersion of one inch square test pieces in the proper liquid for 22 hours at room temperature. The maximum weight increase using ASTM Reference oil #2 or #3 shall be 20%.

(5) The bursting strength per 0.010" of thickness is 40 psi min. as determined by ASTM D774.

Rejection: Failure to conform to this specification in all respects shall constitute reason for rejection.

NOTE: Use Page 1 only for Purchasing

Basic Code No.	Material Specification	Process Specification	Form and Condition
0905	NM-6	As Received	

TX0091

Material Specification - MM-6

Approved Brand Names and Sources:

Vellumoid	The Vellumoid Company Worcester 6, Massachusetts
Rydroil #402	The Anchor Packing Company Philadelphia, Pennsylvania
Garlock #681	The Garlock Packing Company Philadelphia 2, Pennsylvania
Melrath Sealtite #1242	Melrath Supply & Gasket Company Philadelphia 34, Pennsylvania

This specification is similar to MIL-S-20085 and ASTM D1170 Grade G3212 and G3213.

TX0092

			Supersedes Page 2 dated 6/11/58	MM-6	Page 2 of 2
5/3/62					
DATE	CK. BY	APP'D.	ALTERATIONS	DE LAVAL TURBINE INC.	Code-0805

CONFIDENTIAL

TECH OP RM: DD009 6/84

TITLE: SHEET PACKING

1.0 Scope: This specification covers compressed sheet packing material.

2.0 Materials: The packing shall be made of Clingersil C4400.

3.0 Tolerances: Packing under this specification shall be of uniform thickness with a variation of:

+.005) - 1/64 & under
-.002) - 1/64 & under
±.005 - over 1/64 and under 1/16
±.008 - 1/16 and under 3/32
± 10% - 3/32 and over

4.0 Physical Requirements:

4.1 The packing shall be capable of withstanding temperatures up to 750 F.

4.2 The tensile strength shall be 2200 psi minimum average of longitudinal and transverse directions.

4.3 Compressability and recovery shall be tested as per ASTM D1147. Under a load of 5000 psi the compressability shall be 7 to 17% and the recovery 40% minimum.

5.0 Rejection: Failure to conform to this specification shall constitute reason for rejection.

Basic Code No.	Process Specification	Form & Condition
0906 D	As received	Sheet Packing

D - Test report not required to be furnished.

Approved Brand Names & Sources:

Clingersil C4400 — Melrath Gasket, Phila. Pa. TX0093; W.B. Gallagher, King of Prussia, Pa.

FED CODE IDENT 16712

Transamerica Delaval

SHT 1 OF 1 | DEPT: 206

CHG	ALTERATIONS	DATE	BY	CHK
5	Chg'd to non-asbestos	09/19/86	DLG	HBG
N	ISSUED	10/02/78	DLG	HBG

SHEET PACKING

DE12-0906

FILE: 09061 DE12 KBMT206