

E.S.2.3.1.14
GASKET/PLANT FIBER/VELLUMOID

2.3.1.14.1 Scope: This specification covers sheet gasketing made from cellulose fiber impregnated with protein and glycerin binder. This material conforms to ASTM D1170, I.D. No. P3313B, ASTM F104, I.D. No. F326117-M6, Federal Specification HH-P-96F, Type I, and is U. L. listed.

.2 Properties:

.1 Original:

Tensile Strength: 2000 PSI, Min. (ASTM F152)
Compressibility: 25-40% (ASTM F36, Procedure G)
Recovery: 40%, Min. (ASTM F36, Procedure G)
Operating Temp.: 250°F, Max.

.2 After Immersion in Liquids for 22 Hours at 70-80°F (ASTM F146):

	ASTM Ref. Fuel B	ASTM Oil No. 3	Distilled Water
Thickness Incr., Max.:	5%	5%	25%
Weight Incr., Max.:	10%	10%	80%

.3 Approved Source and Product:

"Branded Vellumoid"

Vellumoid, Inc.
54 Rockdale Street
Worcester, MA 01606
(617-853-2500)

TRANSAMERICA DELAVAL INC.
PYRAMID PUMP DIVISION
MONROE, NC

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E.S.3.3.1.15
NON-ASBESTOS COMPRESSED SHEET GASKET

2.3.1.15.1 Scope: This specification covers asbestos-free, compressed sheet gasket material intended for use as a direct replacement for compressed asbestos sheet.

.2 Composition: This material consists of synthetic fibers in a nitrile rubber (NBR) binder produced in the form of compressed sheet.

.3 Properties: Ref: ASTM F104, ~~ASTM F104~~
~~ASTM F104~~

.1 Original:

Tensile Strength: 2000 PSI min. (ASTM F152/X-Mach.)
Compressibility: 7-17% (ASTM F36, Procedure A)
Recovery: 50% Min. (ASTM F36, Procedure A)
Operating Temp.: 720°F ~~Max.~~
~~Sealability: 0.1 ml./min. (750°F, 1450 PSI, 1/32" Thk.)~~
Specific Gravity: 1.5-1.6

.2 After Aging 5 Hours at 300°F. in ASTM Oil No. 3:

Loss in Tensile Strength: ~~30% Max.~~ 45%
~~Compressibility: 20% Max.~~
Thickness Increase: ~~0-7% 8%~~

.3 After Aging 5 Hrs. at 70-85°F in ASTM Ref. Fuel B:

Thickness Increase: ~~0-7% 8%~~
Weight Increase: 20% Max.

.4 Approved Sources: ^S ~~Current approved source and product~~
~~I.B. 12.~~

Palmetto Products
(Div. of Greene, Tweed & Company)
P. O. Box 1457
N. Wales, PA 19454
~~(215-256-9501)~~ (215-699-2271)
Product I.D.: "Palmetto #2970"
COLOR: GREEN

GARLOCK
MECHANICAL PACKING DIV.
1666 DIVISION ST.
PALMYRA, N.Y. 14522
(315-597-4811)
PRODUCT I.D.: "BLUE-GARD
STYLE 3000"
COLOR: BLUE

TRANSAMERICA DELAVAL INC.
PYRAMID PUMP DIVISION
MONROE, NC

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