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706-M

DATE :	07/10/2014
DESCRIPTION :	Non asbestos sheet
REVIEW :	Beta Site Testing

I. TECHNICAL DESCRIPTION

Non asbestos compressed sheet with high quality mineral fibers with NBR binder. Coated with Flange Free ® anti-stick technology.

II. APPLICATIONS

Excellent for working at high temperatures, recommended for saturated steam. See PxT. Ideal for oils, greases and heat transfer fluids. This sheet can be used in power generation, sugar mills, alcohol, hydrocarbons processing, pulp and paper industries.

III. TECHNICAL CHARACTERISTICS

Binder:	Nitrile
Color:	Off white starcoat / black body
Temperature max:	540 °C (1000 °F)
Temperature min:	-75 °C (-100 °F)
Continuous temperature:	400 °C (750 °F)
Pressure Max. psig (bar)	1500 (105)
P x T, max (psig x °F) 1/32", 1/16"	700,000
(bar x °C) (0.8mm, 1.6mm)	(25,000)
1/8"	500,000
(3.2 mm)	(18,500)

Tests were made in 1/8" sheets

IV. TECHNICAL SPECIFICATIONS

CHARACTERISTICS	ASTM METHOD	SPECIFICATION
Tensile strength	F-152	900 psi min
Sealability	F-37	
Nitrogen		4.0 ml/hr máx.
Fuel A		1.0 ml/hr máx.
Compressibility	F-36	7 - 17 %
Recovery	F-36	50 % min
Density	N/A	100 lb/ft ³ min
Creep Relaxation	F-38	20 %
ASTM # 903@ +300°F (+150°C)		
Weigth increase		0 - 15 %
Tensile loss		< 55 %
ASTM # Fuel A @+75-85°F (+20-30 °C)		
Thickness increase		0 - 15 %
Weigth increase		0 - 20 %

ASTM # Fuel B @+75-85 °F (+20-30 °C)

Thickness increase

0 - 20 %

Weight increase

0 - 20 %

V. COMMERCIAL DIMENSIONS

DIMENSIONS

60" x 60"

60"x 120"

60"x 180"

THICKNESS

1/64"; 1/32"; 1/16"; 3/32"; 1/8"; 3/16"; 1/4"

1/64"; 1/32"; 1/16"; 3/32"; 1/8"; 3/16"; 1/4"

1/64"; 1/32"; 1/16"; 3/32"; 1/8"; 3/16"; 1/4"

VI. INSTRUCTIONS FOR HANDLING AND STORAGE

1. Store in cool and dry areas
2. Do not stack more than 30 sheets per pallet (smooth)
3. Do not expose the sheet in an open environment before using
4. Do not expose greases, oils and solvents in liquid or stem form, before using
5. Do not expose to direct flame before or after use
6. Prevention of exposure to ultraviolet rays from sunlight and fluorescent light lamps
7. Do not store near devices that produce ozone (O₃)
8. In case of prolonged storage, periodically inspect the material
9. Do not store near heat producing devices
10. Do not use material if it is already stiff and brittle
11. Shelf life (expiration date) is 12 to 18 months from the date of production of the sheet as long as it is kept at storage temperature between 20 and 30 °C

NOTES:

Properties/applications shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock de México. Failure to select the proper sealing products could result in property damage and/or serious personal injury. While utmost care has been used in compiling this information, we assume no responsibility for errors. Subject to change without notice.