Specialty Gaskets INC

Triangle Fluid Controls Ltd.

DURLON® 8400

An outstanding next generation material that provides the widest range of chemical resistance of any compressed non-asbestos material available today. It's designed for high pH applications in the demanding services found in the pulp & paper, chemical processing and power generation industries where traditional compressed gasket materials have fallen short.

Typical Physical Properties	
Colour	Gold
Fiber	Phenolic
Binder	NBR
Density	1.7 g/cc (106 lbs/cu. ft)
Tensile Strength ASTM F152	1800 psi (12.4 MPa)
Compressibility ASTM F36	8 to 16%
Recovery ASTM F36	50%
Temperature	
Range	-100 to 800°F
Continuous, max	554°F
Pressure, max	1500 psi
Nitrogen Sealability ASTM 2378	0.0300 cc/min
Creep Relaxation ASTM F38	25%
Flexibility ASTM F147	8x
Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F	
Thickness Increase	0-15%
Weight Increase	15%
ASTM Fuel B 5hrs at 70°F	
Thickness Increase	0-15%
Weight Increase	15%
Fluid Services	Steam, oils, fuels, solvents, caustics, refrigerants, dilute acids & alkalis

Note: ASTM properties are based on 1/16" sheet thickness, except ASTM F38 which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties, and should not be used to establish specifications limits nor used alone as the basis of design. For applications above Class 300, contact our technical department.

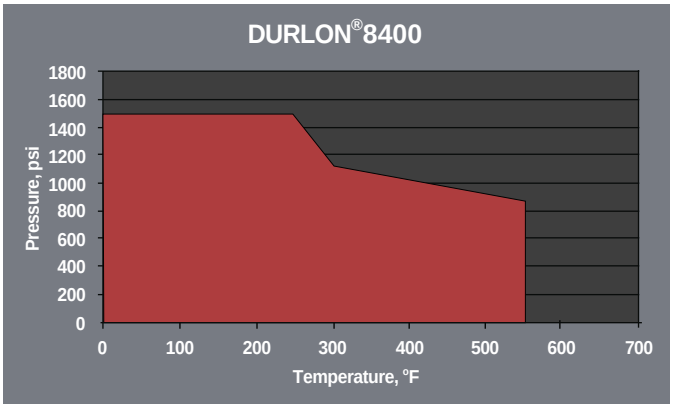
Benefits:

Temperature and Chemical Resistant

- Our ingredients and manufacturing methodology results in superior sealing in a wide range of difficult chemical services.
- Perfect for OEM applications such as pump casings, valves and filters.

Perfect for Flange Insulation Kits

- Unsurpassed dielectric break-down and volume resistivity
- Excellent torque retention to maintain cathodic protection



Warning: Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications stated are typical. No applications should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious injury. Data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. Specifications and information contained in this flyer are subject to change without notice. This edition cancels and obsoletes all previous editions.

Gasket Factors		
	1/16"	**1/8"**
m	2.9	4.5
Y, psi	2,410	3,967
Gb, psi	2000	1,076
a	0.194	0.29
Gs, psi	340	94

Anti-Stick Properties:

Much effort has gone into improving the anti-stick release agents of all compressed Durlon® products. All Durlon® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366°F/48hrs).

● 2-295 Superior Boulevard, Mississauga, ON L5T 2L6
● Tel: (905) 564-0807 ● Fax: (905) 564-4812
● www.specialtygaskets.com