Specialty Gaskets INC

Triangle Fluid Controls Ltd.

DURLON® 8300

A premium grade, multi-service high strength carbon and NBR gasket sheet, designed to handle the extremes of pressure and temperature. The versatility of this sheet enables the end user to standardize on one sheet for a multitude of applications and avoid the confusion of having to choose from several different sheets. Specifically designed for applications commonly found in the power generation and chemical processing industries, this gasket sheet maintains excellent sealability during thermal cycling even in steam, hot oil, aliphatic hydrocarbons, natural gas, gasoline, solvents, inert gases, mild alkalis and acids.

Typical Physical Properties	
Colour	Black
Fiber	Carbon
Binder	NBR
Density	1.6 g/cc (100 lbs/cu. ft)
Tensile Strength ASTM F152	1800 psi (12.4 MPa)
Compressibility ASTM F36	8 to 16%
Recovery ASTM F36	50%
Temperature Range Continuous, max	-100 to 800°F 600°F
Pressure, max	1500 psi
Nitrogen Sealability ASTM 2378	0.0500 cc/min
Creep Relaxation ASTM F38	18%
Flexibility ASTM F147	10x
Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F Thickness Increase Weight Increase	 0-10% 10%
ASTM Fuel B 5hrs at 70°F Thickness Increase Weight Increase	 0-10% 12%
Fluid Services	Saturated steam, oils, dilute acids & alkalis, solvents, hydrocarbons

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.

Anti-Stick Properties:

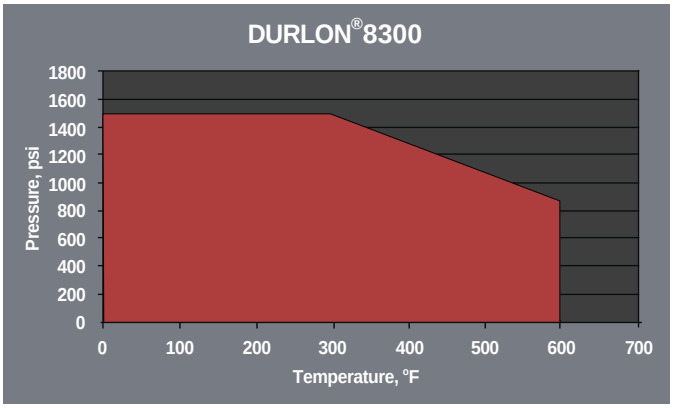
Much effort has gone into improving the anti-stick release agents of all compressed Durlon® products. All Durlon® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366°F/48hrs).

Benefits:

Chemical and Thermal Versatility
- Broad range of chemical and thermal services

Emissions Control
- Maintains tight seal during thermal cycling in saturated steam and hot oils
- Very good chemical resistance

Easy to Install and Remove
- Much easier to handle, install and remove than traditional graphite high temperature gaskets
- Anti-stick coating for ease of removal



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	3.7	3.0
Y, psi	3,515	4,014
Gb, psi	512	1,716
a	0.36	0.21
Gs, psi	13	0.7

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