

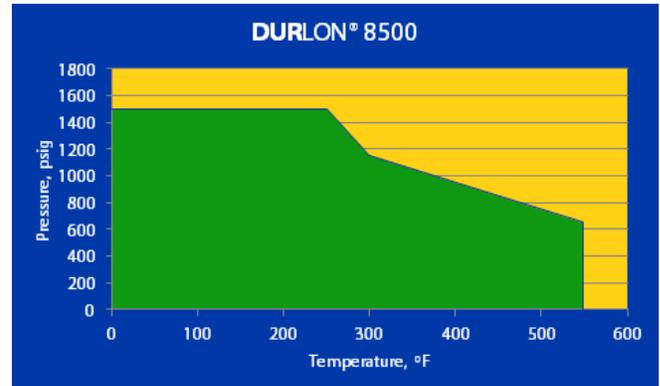
DURLON® 8500

SEALING SOLUTIONS

Aramid/Inorganic Fibre with NBR Rubber Binder
Compressed Asbestos Free Gasket Material
ASTM F104: F712120-A9B3E12K5L151M6

Colour	Green
Fibre System	Aramid/Inorganic
Binder	NBR
Temperature	
Min	-73°C (-100°F)
Max	371°C (700°F)
Continuous, Max	287°C (548°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft ³)	1.7 (106)
Compressibility, % ASTM F36	8-16
Recovery, % ASTM F36	50
Creep Relaxation, % ASTM F38	20
Tensile Strength, across grain ASTM F152, MPa (psi)	13.8 (2,000)
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, %	0-10
Weight Increase, %	10
Sealability	
ASTM F37 (Fuel A), ml/hr	0.01
ASTM F37 (Nitrogen), ml/hr	0.4
ASTM F2378 (Nitrogen), cc/min	0.03
Volume Resistivity, ohm-cm ASTM D257	4.2 x 10 ¹³
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	11.7 (297)
Flexibility ASTM F147	10x

A high performance compressed gasket material for use in process industries including pulp and paper, food and beverage, pharmaceutical, hydrocarbon, chemical, refinery and general industry. Durlon® 8500 is suitable for oils, water, steam, new generation refrigerants, dilute acids and alkalis and many other liquids and gases.



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	2.7	4.2
Y, psi (MPa)	2,359 (16.3)	2,931 (20.2)
G _b , psi (MPa)	650 (4.5)	400 (2.8)
a	0.330	0.350
G _s , psi (MPa)	200 (1.4)	20 (0.1)

Fire Testing:

Durlon® 8500 has successfully passed a modified version of the API 607 fire test (1,200°F, 30mins, 30 psig, 100 ml/min maximum allowable leakage).

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, but 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.

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Durlon 8500 REV 2016-5

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