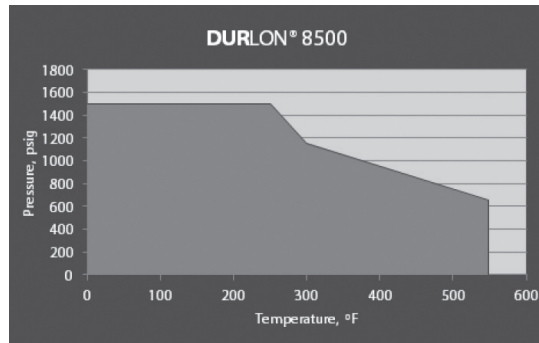


### Aramid/Inorganic with NBR Rubber Binder Compressed Asbestos Free Gasket Material ASTM F104: F712120-A9B3E12K5L151M6

Colour	Green
Fiber System	Aramid/Inorganic
Binder	NBR
Temp.: Min Max Continuous, Max	-73°C (-100°F) 371°C (700°F) 287°C (548°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft³)	1.7 (106)
Compressibility, %	8-16
Recovery, %	50
Creep Relaxation, %	20
Tensile Strength, MPa (psi)	13.8 (2,000)
Sealability, cc/min ASTM 2378 (Nitrogen) ASTM F37 (Fuel A), ml/hr ASTM F37 (Nitrogen), ml/hr	0.03 0.01 0.4
Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F Thickness Increase, % Weight Increase, % ASTM Fuel B 5hrs at 70°F Thickness Increase, % Weight Increase, %	0-15 15 0-10 10
Flexibility, ASTM F147	10x
Volume Resistivity, ohm-cm ASTM D257	4.2 x 10 <sup>13</sup>
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	11.7 (297)



A high performance compressed gasket material for use in process industries including pulp & paper, food & 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. Passed API 6FB Fire Test and conforms to FDA in 21 CFR 177.2600 Rubber articles intended for repeated use.



**Fire Testing:** Durlon® 8500 has successfully passed the API 6FB fire test [avg. temperature >650°C, 30 mins, 40 bar, 1 ml (inch/ 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.

Gasket Factors		
m	1/16"	1/8"
Y psi (MPa)	2.7	4.2
G <sub>b</sub> psi (MPa)	2,359 (16.3)	2,931 (20.2)
a	650 (4.5)	400 (2.8)
G <sub>s</sub> psi (MPa)	0.33	0.35
	200 (1.4)	20 (0.1)

**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. REV. 2018/09