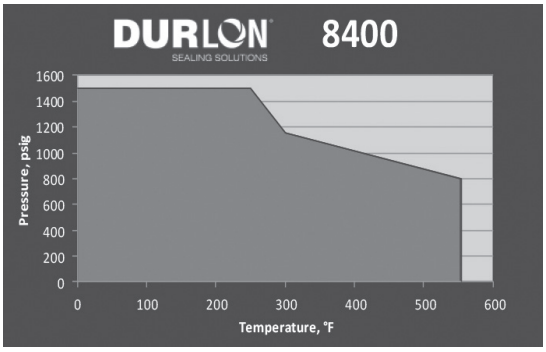
DURLON®
SEALING SOLUTIONS

8400

Phenolic Fibre with NBR Rubber Binder
Compressed Asbestos Free Gasket Material
ASTM: F712120-A9B4E22K5L911M5

Colour	Gold
Fiber System	Phenolic
Binder	NBR
Temperature: Min Max Continuous, Max	-73°C (-100°F) 427°C (800°F) 290°C (554°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft^3)	1.7 (106)
Compressibility, %	8-16
Recovery, %	50
Creep Relaxation, %	25
Tensile Strength, MPa (psi)	12.4 (1,800)
Sealability ASTM 2378 (Nitrogen), cc/min ASTM F37 (Fuel A), ml/hr ASTM F37 (Nitrogen), ml/hr	 0.03 0.01 0.3
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 15
Flexibility, ASTM F147	8x
Volume Resistivity, ohm-cm ASTM D257	3.1 x 10^{13}
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	14.6 (371)

With an extremely wide pH application range (2-13 at room temp.) Durlon® 8400 can be used in process piping and equipment in chemical, pulp & paper and other general industrial applications. A unique high-performance compressed sheet, Durlon® 8400 is an excellent gasket material for use in steam, mild caustics and acids.



Gasket Factors		
	1/16”	1/8”
m	2.9	4.5
Y psi (MPa)	2,410 (16.6)	3,967 (27.4)
G_b psi (MPa)	2,000 (13.8)	1,076 (7.4)
a	0.194	0.289
G_s psi (MPa)	340 (2.3)	94 (0.7)

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).

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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