DURLON®
SEALING SOLUTIONS

8600

Aramid/Inorganic with SBR Rubber Binder
Compressed Asbestos Free Gasket Material
ASTM: F712440-A9B3E24K5L152M5

Colour	White
Fiber System	Aramid/Inorganic
Binder	SBR

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, %	45
Creep Relaxation, %	20
Tensile Strength, MPa (psi)	12.4 (1,800)
Sealability, cc/min ASTM 2378 (Nitrogen) ASTM F37 (Fuel A), ml/hr ASTM F37 (Nitrogen), ml/hr	 0.05 0.03 0.5

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, %
	
	15-30
	30
	
	5-20
	30

Flexibility, ASTM F147	8x
Volume Resistivity, ohm-cm ASTM D257	4.2 x 10¹³
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	11.7 (297)

Durlon® 8600 is a quality compressed sheet gasket material for use in process industries including pulp & paper, power, petrochemical as well as general industry where a "white" gasket material is often required when working with food & beverage, pharmaceutical and plastics. Applications: water, steam, air, inert gases, alcohols, dilute acids and alkalis.

DURLON® 8600
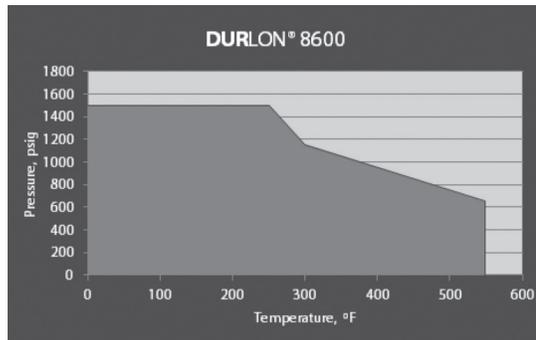
Anti-Stick Properties: Much effort has gone into improving the anti-stick release agents of all compressed Durlon® products. All Durlon® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366°F/48hrs).

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.

Gasket Factors

	1/16"	1/8"
m	2.9	–
Y psi (MPa)	2,540 (17.5)	–
G_b psi (MPa)	343 (2.4)	866 (5.9)
a	0.325	0.273
G_s psi (MPa)	0.3 (0.002)	37 (0.255)