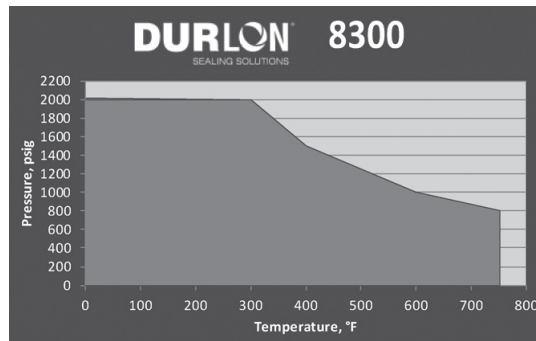


### Carbon Fibre with NBR Rubber Binder Compressed Asbestos Free Gasket Material ASTM F104: F712120-A9B3E22K5L311M5

Colour	Black
Fiber System	Carbon
Binder	NBR
Temperature: Min Max Continuous, Max	-73°C (-100°F) 482°C (900°F) 343°C (650°F)
Pressure, max, bar (psi)	139 (2,000)
Density, g/cc (lbs/ft³)	1.6 (100)
Compressibility, %	8-16
Recovery, %	50
Creep Relaxation, %	18
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	0.05 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, %	0-10 10 0-10 12
Flexibility, ASTM F147	10x
Volume Resistivity, ohm-cm ASTM D257	5.0 x 10 <sup>9</sup>
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	0.04 (1)



Durlon® 8300 is a premium grade compressed sheet gasket material that is excellent in steam and hydrocarbon services for the refining, petrochemical and power generation industries and designed to handle the extreme pressure and temperature applications that include oil, water, mild alkalis, mild acids and solvents.



**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).

#### Gasket Factors

	1/16"	1/8"
m	3.7	3.0
Y psi (MPa)	3,515 (24.2)	4,014 (27.7)
G <sub>b</sub> psi (MPa)	512 (3.5)	1,716 (11.8)
a	0.355	0.209
G <sub>s</sub> psi (MPa)	13 (0.09)	70 (0.48)

**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.