

DURLON®

8300

Carbon Fiber with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B3E22K5L311M5

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. This gasket material is designed to handle the extreme pressure and temperature applications that include oil, water, mild alkalis, mild acids and solvents.

INDUSTRY APPLICATIONS:

- Chemical Processing
- OEM Services
- Power Generation
- General/Heavy Industry
- Oil & Gas
- Refining
- Mining
- Petrochemical

Gasket Factors	1/16"	1/8"
m	3.7	3.0
Y psi (MPa)	3,515 (24.2)	4,014 (27.7)
G _b psi (MPa)	512 (3.5)	460 (3.2)
a	0.355	0.313
G _s psi (MPa)	13 (0.09)	0.427 (.003)

Physical Properties

Color	Black
Fiber System	Carbon
Binder	NBR
Temperature:	
Min	-40°C (-40°F)
Max	482°C (900°F)
Continuous, Max	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)
Nitrogen Sealability ASTM 2378, cc/min	0.05
Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F	
Thickness Increase, %	0-10
Weight Increase, %	10
ASTM Fuel B 5hrs at 70°F	
Thickness Increase, %	0-10
Weight Increase, %	12
Flexibility, ASTM F147	10x
Volume Resistivity ASTM D257, ohm-cm	5.0 x 10 ⁹
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	0.04 (1)

Certifications

API 6FB, 4th Edition Fire Test	Passed
California Proposition 65	Compliant
RoHS Reach Declaration	Compliant

