DURLON®
SEALING SOLUTIONS

9007

Inorganic Filler with Pure PTFE Resins Filled PTFE Gasket Material
ASTM F104: 459111-A9B9E11K6M6

Physical Properties	
Color	Light Blue
Filler System	Inorganic
Temp.: Min Max Continuous, Max	 -212°C (-350°F) 271°C (520°F) 260°C (500°F)
Pressure, max, bar (psi)	96.5 (1,400)
Density, g/cc (lbs/ft^3)	2.1 (131)
Compressibility, %	5-20
Recovery, %	40
Creep Relaxation, %	35
Tensile Strength, MPa (psi)	13.8 (2,000)
Sealability ASTM 2378 (Nitrogen)	 0.01 cc/min

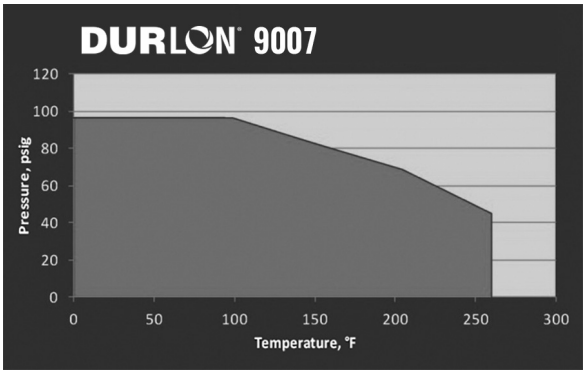
Gasket Factors	1/16”	1/8”
m	2.3	4.9
Y psi (MPa)	1,997 (12.7)	1,711 (11.7)
G_b psi (MPa)	648 (4.4)	509 (3.5)
a	0.210	0.269
G_s psi (MPa	58 (0.39)	68 (0.46)

Durlon® 9007 is formulated with a homogenous blend consisting only of pre-shaped inorganic fillers, pure PTFE resins, and pigment. It is suitable for use in steel flanges and does not exhibit the cold flow problems associated with virgin PTFE or the hardness problems of silica-filled PTFE. Unlike generic glass fibre filled PTFE, the shapes of the fillers used in Durlon® 9007 do not allow wicking of media through the gasket which can lead to corrosion on flange surfaces.

Durlon® 9007 is designed for use in process piping and equipment in chemical, pulp & paper, food & beverage, and other general industrial applicaltions where resistance to highly aggressive chemicals is required. Durlon® 9007 conforms to FDA requirements.

INDUSTRY APPLICATIONS:

- Chemical Processing
- Food & Beverage
- General/Heavy Industry
- OEM Services
- Oil & Gas
- Petrochemical
- Pharmaceutical
- Power Generation
- Pulp & Paper



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.