

## 9007

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



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 applications where resistance to highly aggressive chemicals is required. Durlon® 9007 conforms to FDA requirements.

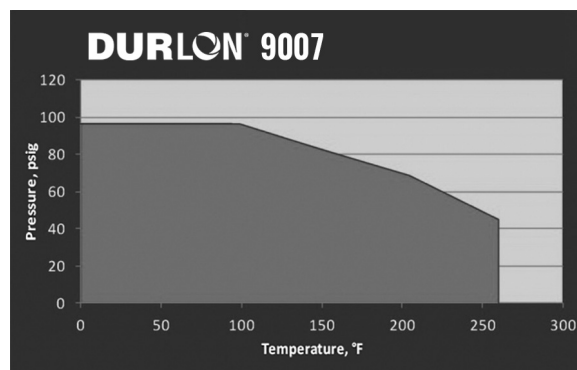
### INDUSTRY APPLICATIONS:

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

### Physical Properties

Color	Light Blue
Filler System	Inorganic
Temp.:	
Min	-212°C (-350°F)
Max	271°C (520°F)
Continuous, Max	260°C (500°F)
Pressure, max, bar (psi)	96.5 (1,400)
Density, g/cc (lbs/ft <sup>3</sup> )	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 <sub>b</sub> psi (MPa)	648 (4.4)	509 (3.5)
a	0.210	0.269
G <sub>s</sub> psi (MPa)	58 (0.39)	68 (0.46)



**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.

**Warning:** Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications stated are typical. No applications should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious injury. Data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. Specifications and information contained within are subject to change without notice. This edition cancels and obsoletes all previous editions.