



# DURLON® 9000

Inorganic Filler with Pure PTFE Resins  
Filled PTFE Gasket Material  
ASTM F104: F452111-A9B5E11K6M6

Durlon® 9000 is for use in general industrial applications where resistance to highly aggressive chemicals is required. In addition, the shape of the fillers does not allow wicking which can cause corrosion on flange surfaces.

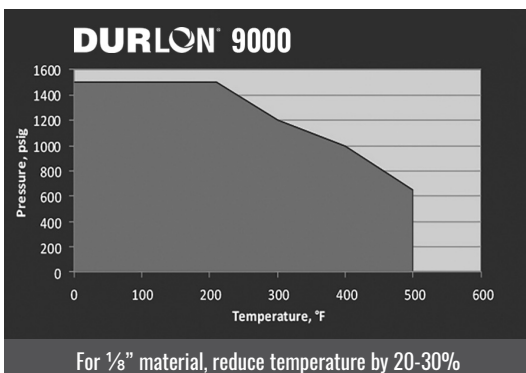
### INDUSTRY APPLICATIONS:

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

Physical Properties	
Color	Blue
Filler System	Inorganic
Temperature:	
Min	-212°C (-350°F)
Max	271°C (520°F)
Continuous, Max	260°C (500°F)
Pressure, Max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft³)	2.2 (138)
Compressibility, %	8-16
Recovery, %	40
Creep Relaxation, %	30
Tensile Strength, MPa (psi)	13.8 (2,000)
Nitrogen Sealability ASTM 2378, cc/min	0.01
Leakage, mbar .1 (m .5) TA-Luft (VDI 2440) iBar (14.5 psi) @180°C (392°F)	7.55 x 10 <sup>-6</sup>
Volume Resistivity ASTM D257, ohm-cm	1.0 x 10 <sup>5</sup>
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	16 (406)

Certifications	
API 6FA*, 3rd Edition Fire Test	Passed
USP for Plastic Class VI	Met requirements - 121°C (250°F)
FDA	Conforms to required 21 CFR 177.1550
TA-luft (VDI Guideline 2440)	Approved Material
ABS-PDA & Pamphlet 95	Approved Material, chlorine institute
(EC) 1935/2004 & EU (10/2011)	Approved Material

\*6 inch Class 300. The test fixture was subjected to an external flame of 875°C (1607°F) average for 30 minutes. The measured leakage was 1.8 ml/min, where the max allowable limit is 1200 ml/min.



**BENEFIT:**  
Durlon® 9000 has a strong dielectric rating, making it ideal for isolation kit applications where PTFE sheet gaskets can be utilized.

Gasket Factors	1/16"	1/8"
m	2.2	4.6
Y psi (MPa)	1,937 (13.4)	1,639 (11.3)
G <sub>h</sub> psi (MPa)	639 (4.4)	495 (3.4)
a	0.220	0.262
G <sub>s</sub> psi (MPa)	55 (0.379)	65 (0.448)