DURLON®
SEALING SOLUTIONS

9000

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

Physical Properties	
Color	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)	103 (1,500)
Density, g/cc (lbs/ft^3)	2.2 (138)
Compressibility, %	8-16
Recovery, %	40
Creep Relaxation, %	30
Tensile Strength, MPa (psi)	13.8 (2,000)
Sealability: ASTM 2378 (Nitrogen)	0.01 cc/min
Leakage, mbar .1 (m .5) TA-Luft (VDI 2440) iBar (14.5 psi) @180°C (392°F)	7.55 x 10^{-6}
Volume Resistivity, ASTM D257	1.0 x 10^5 (ohm-cm)
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	16 (406)

Gasket Factors	1/16”	1/8”
m	2.2	4.6
Y psi (MPa)	1,937 (13.4)	1,639 (11.3)
G_b psi (MPa)	639 (4.4)	495 (3.4)
a	0.220	0.262
G_s psi (MPa	55 (0.379)	65 (0.448)

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.

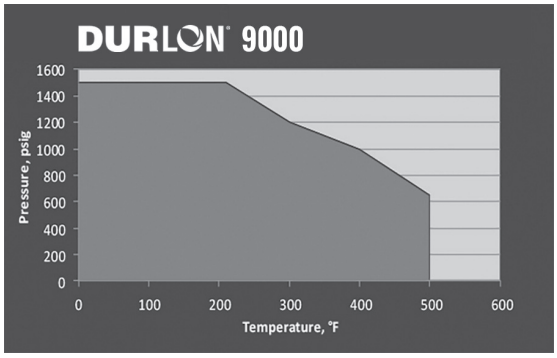
INDUSTRY APPLICATIONS:

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

BENEFIT:

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

Certifications	
API 6FA* , 3rd Edition Fire Test	Passed
WRAS	Approved Material
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 ins., DNV-GL
(EC) 1935/2004 & EU (10/2011)	Approved Material



Durlon® 9000 is made with Teflon™ fluoropolymer. Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Triangle Fluid Controls Ltd.

**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.*

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.

The Durlon® brand is represented by: trianglefluid.com • Triangle Fluid Controls Ltd., gasketresources.com • Gasket Resources Inc., durabla.ca • Durabla Canada Ltd., durablaasia.com.sg • Durabla Asia PTe Ltd., and durlon.cn • Durabla Fluid Controls (Suzhou) Co. Ltd. Durlon® is a registered trademark of Triangle Fluid Controls Ltd. and Gasket Resources Inc. - **REV. 2021/June**