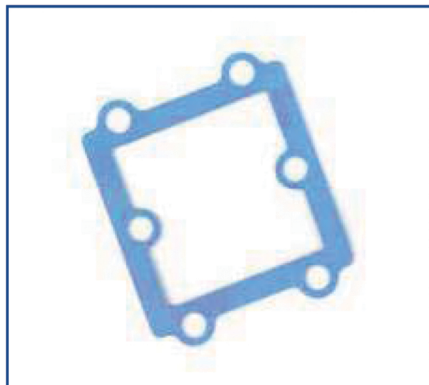


Inorganic/PTFE

Durlon® 9000 (blue) and 9000N (white) are designed for use in process piping and equipment in chemical, pulp and paper, pharmaceutical, oxygen and industrial gases, food and beverage, and other general industrial applications, where physical properties such as non-contamination and resistance to highly aggressive chemicals are required.

Durlon® 9000/9000N is available in a continuous length sheet (varies depending on sheet thickness) providing gasket cutters with significantly improved material yields versus traditional sheet dimensions.



Durlon® 9000

Typical Properties

Colour	9000 - Blue 9000N - White	
Filler System	Inorganic	
Temperature		
Min	-212°C (-350°F)	
Max	271°C (520°F)	
Max, continuous	260°C (500°F)	
Pressure, max, bar (psi)	103 (1,500)	
Density, g/cc (lbs/ft³)	2.2 (138)	
Compressibility, % ASTM F36	8 - 16	
Recovery, % ASTM F36	40	
Creep Relaxation, % ASTM F38	30	
Tensile Strength across grain ASTM F152, MPa (psi)	13.8 (2,000)	
Sealability, cc/min ASTM F2378	0.01	
Volume Resistivity, ohm-cm ASTM D257	1.0 x 10 ⁵	
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 _v , psi (MPa)	639 (4.4)	495 (3.4)
a	0.220	0.262
G _v , psi (MPa)	55 (0.4)	65 (0.4)

* See note on ASTM testing properties on page 60.

Certifications

TA-Luft (VDI Guideline 2440) Approved	180°C (356°F) 48 h
Temperature Exposure:	
Period of Exposure:	
Test Pressure (helium):	1 bar (14.5 psig)
Leak rate:	7.55E-6 mbar*(l/m*s)
Period of leak rate measured:	24h
BAM- Oxygen Testing: a) Gaseous oxygen:	Up to 52 bar (754 psig)
Pamphlet 95, The Chlorine Institute	Listed Table 3-1, for dry chlorine service and Table 3-3, for wet chlorine service
FDA	Conforms to the requirements of 21 CFR 177.1550 for food and drug contact
Reach Statement	Compliant
USP Class VI	121°C (250°F) for 30 min.

Benefits

- Versatile and reliable seal
- Recommended for a wide range of severe chemical services vs. competitive filled PTFE blends
- Maintains a tighter seal than conventional PTFE gasketing
- Has a higher bolt torque retention vs. other filled PTFE and conventional PTFE gasketing materials
- Exceptional performance in emissions control
- Does not exhibit cold flow problems associated with virgin or generic skived PTFE, or the hardness problems of some other filled PTFE products
- USP Class VI Certified
- ABS-PDA Certificate (American Bureau of Shipping)
- Complies with (EC) 1935/2004 & (EU) 10/2011
- DVG-GL Certificate No. 13 560 - 14HH



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.