

9600

Expanded PTFE

100% Pure PTFE Gasket Material

ASTM F104: F428111-A9B5E11F6M6



Durlon® 9600 is a biaxially expanded PTFE gasket, made with only pure PTFE resins, designed for use in process piping and equipment, in chemical, pulp and paper, food and beverage, and other general industrial applications, where resistance to highly aggressive chemicals is required.

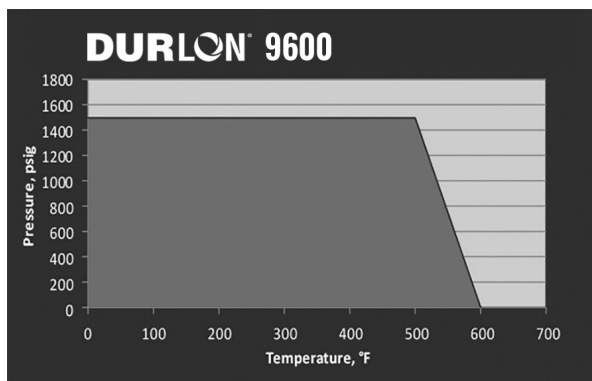
Durlon® 9600 is also suitable for sealing flanges with irregular surfaces. It will not exhibit the cold flow problems associated with virgin PTFE, or the hardness problems of some filled PTFE products. It has excellent sealability, cuts easily and separates cleanly from flanges after use. This material is FDA compliant, ABS-PDA & USP Class VI certified.

INDUSTRY APPLICATIONS:

- Chemical Processing
- Food & Beverage
- General/Heavy Industry
- OEM Services
- Oil & Gas
- Petrochemical
- Refining
- Water & Wastewater

Certifications

FDA	Conforms to the requirements of 21 CFR 177.1550 for food and drug contact
RoHS Reach Declaration	Compliant
ABS-PDA Certified	Approved Material



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.

Physical Properties

Color	White
Filler System	Pure PTFE
Temp.: Min Max Continuous, Max	-240°C (-400°F) 316°C (600°F) 270°C (518°F)
Pressure, max, bar (psi)	200 (2,900)
Density, g/cc (lbs/ft³)	0.9 (56.2)
Compressibility, %	40-50
Recovery, %	14
Creep Relaxation, %	30
Sealability, ASTM 2378 (Nitrogen)	0.01 cc/min
Stress Retention-DIN 52913	15 MPa
Specific Leakage Rate L-KD12440/ TA-LUFT	2.6 x 10 ⁻⁷
TA-Luft (VDI 2440) Tensile - ASTM 152	20 (2,800)

Gasket Factors	1/16"	1/8"
m	2.0	2.0
Y psi (MPa)	2,800 (19.3)	2,800 (19.3)
G _b psi (MPa)	1,200 (8.3)	1,400 (9.65)
a	0.2	0.19
G _s psi (MPa)	3.5 (0.024)	1.5 (0.01)

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.

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