

# 9600 Expanded PTFE

EXPANDED PTFE GASKET MATERIAL 100% Pure PTFE Resins § ASTM F104: F428111-A9B5

## application:

DURLON® 9600 is an EXPANDED PTFE gasket material 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 suitable for use in steel flanges and flanges with irregular surfaces. Durlon® 9600 (including branding) conforms to FDA requirements.

## composition:

DURLON® 9600 is made with only pure PTFE resins. It is suitable for use in steel flanges and as well as flanges where a highly compressible gasket 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 other filled PTFE products. It has excellent sealability, cuts easily and separates cleanly from flanges after use.

## typical properties:

Color:	White, branded
Temperature Range:	-350 to 600°F (-212 to 316°C)
Pressure, max:	1800 psig (124 bar)
Fluid Services:	Steam, Strong Acids, StrongCaustics, Aqueous and Anhydrous Hydrogen Fluoride
Density:	0.8 g/cm <sup>3</sup> (49.9 lbs./ft <sup>3</sup> )
Compressibility, ASTM F36:	50%
Recovery ASTM F36:	12%
Sealability	
ASTM F37 (Fuel A):	0.01 mL/hr
ASTM F37 (Nitrogen):	0.02 mL/hr
ASTM F2378 Gas Permeability:	0.01 cc/min
Creep Relaxation ASTM F38:	30%
FDA	Conforms to the requirements of 21 CFR 177.1550 for food and drug contact.

Note: ASTM properties 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 specification limits nor used alone as the basis of design.

\*For applications above Class 300, consult your representative.

## m&y and proposed astm gasket constants:

THICKNESS	1/16"	1/8"
Gasket Constants		
Gb psi (MPa)	1200 (8.27)	1400 (9.65)
a	0.2	0.19
Gs psi (MPa)	3.5 (0.024)	1.5 (0.01)
*Gasket Constants based on proposed ASTM Draft 10.1		

## available sheet sizes:

NOMINAL THICKNESS	SHEET SIZES		ORDER CODE 9200W	APPROX. WT/ SHEET lbs (kg)
	inches	mm		
1.0mm	60 x 60	1524 x 1524	EX10-060-060	4 (1.8)
1/16" 1.5mm	60 x 60	1524 x 1524	EX15-060-060	7 (3.2)
1/8" 3.0mm	60 x 60	1524 x 1524	EX30-060-060	14 (6.4)
1/4" 6.0mm	60 x 60	1524 x 1524	EX60-060-060	28 (12.7)

Warning: Durlon gasket materials should never be recommended when both the temperature and the pressure are at the maximums listed. Properties and applications shown are typical. No application 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 personal injury. The 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. The information and specifications contained in this website are subject to change without notice. This revision cancels and obsoletes all previous editions.

### Sales:

280 Boot Road  
 Downingtown, PA 19335  
 phone. (866) 707.7300  
 phone. (610) 363.5800  
 fax. (610) 363.5881  
 email. sales@durlon.com

### Technical:

Houston, Texas  
 phone. (713) 856.9445  
 email. tech@durlon.com