

DURLON[®] 9600

Expanded PTFE
100% PURE PTFE GASKET MATERIAL
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 service to a maximum temperature of 600°F (316°C) or with pressures up to 1,800 psi (12.4 MPa). Durlon[®] 9600 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 filled PTFE products. It has excellent sealability, cuts easily, and separates cleanly from flanges after use.

TYPICAL PROPERTIES:

Colour	White
Temperature	
Minimum	-350°F (-212°C)
Maximum	600°F (316°C)
Continuous, max	500°F (260°C)
Pressure, max, psi (bar)	1,800 (124)
Density, g/cc (lbs/ft ³)	0.8 (49.9)
Compressibility, % ASTM F36	40-60
Recovery, % ASTM F36	12
Creep Relaxation, % ASTM F38	30
Nitrogen Sealability, cc/min ASTM F2378	0.01

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 specification limits nor used alone as the basis of design. For applications above Class 300, consult your representative.

AVAILABLE SIZES:

Nominal Thickness		Sheet Sizes	
		Inches	mm
1/16"	1.5mm	60 x 60	1524 x 1524
1/8"	3.0mm	60 x 60	1524 x 1524
1/4"	6.0mm	60 x 60	1524 x 1524

Warning: Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications in this book 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. Data reported in this book 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 in this book are subject to change without notice. This edition cancels and obsoletes all previous editions.



Triangle Fluid Controls Ltd.

CONTACT INFORMATION
PHONE
FAX
EMAIL
CANADA

Sales & Technical

866.537.1133

613.968.1099

info@trianglefluid.com
INTERNATIONAL

Sales & Technical

1.613.968.1100

1.613.968.1099

intl@trianglefluid.com

www.TriangleFluid.com