

DURLON[®] VIRGIN PTFE

100% PURE VIRGIN PTFE GASKET MATERIAL
ASTM F104: F413111-A9B6E11M6

APPLICATION:

Durlon[®] Virgin PTFE gasket material is a high performance non-asbestos product designed for use in piping and equipment in chemical and other general industrial applications where resistance to highly aggressive chemicals (including hydro fluoric acid) is required.

Durlon[®] Virgin PTFE is suitable for service to a maximum temperature of 500°F (260°C) or with pressures up to 1,250 psi (8.6 MPa). Durlon[®] Virgin PTFE conforms to FDA requirements.

COMPOSITION:

Durlon[®] Virgin PTFE is made with only pure PTFE resins. It has excellent sealability characteristics, cuts easily, and separates cleanly from flanges after use. Durlon[®] Virgin PTFE demonstrates high dielectric strength.

TYPICAL PROPERTIES:

Colour	White
Temperature Minimum Maximum	-350°F (-212°C) 500°F (288°C)
Pressure, max, psi (bar)	1,250 (86)
Density, g/cc (lbs/ft ³)	2.1 (135)
Compressibility, % ASTM F36	10-20
Recovery, % ASTM F36	35-40
Creep Relaxation, % ASTM F38	40
Tensile Strength across grain ASTM F152, psi (MPa)	2,800 (19.3)
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
1/64"	0.5mm	60 x 60	1524 x 1524
1/32"	0.8mm	60 x 60	1524 x 1524
1/16"	1.5mm	60 x 60	1524 x 1524
1/8"	3.0mm	60 x 60	1524 x 1524
5/32"	4.0mm	60 x 60	1524 x 1524
3/16"	5.0mm	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.



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