

# DURLON<sup>®</sup> JOINT SEALANT

100% PURE EXPANDED PTFE GASKET MATERIAL

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## APPLICATION:

Durlon<sup>®</sup> Joint Sealant is a highly fibrillated expanded PTFE form-in-place sealant for gasketed joints. Supplied on spools, it is not dependent on flange dimensions. Durlon<sup>®</sup> Joint Sealant comes in various thicknesses with a high quality adhesive backing to ease in installation, and is ideal for worn flanges of all sizes. It exhibits flexibility, compressibility, stability under high temperature, and high tensile strength.

Durlon<sup>®</sup> Joint Sealant is chemically inert and resists creep relaxation to maintain a tight seal. Durlon<sup>®</sup> Joint Sealant conforms to FDA requirements.

Durlon<sup>®</sup> Joint Sealant is easily cut with scissors to the correct length. The adhesive backing holds the sealant in place while positioning around the flange inside the bolt circle to isolate the flow media. The ends should overlap ¾" to 1" on either side of a bolt to ensure leak-tight performance. It is recommended to use a size about 40-50% of the sealing surface.

## COMPOSITION:

Durlon<sup>®</sup> Joint Sealant is made with only 100% pure PTFE resins and exhibits the same chemical resistance of virgin PTFE.

## TYPICAL PROPERTIES:

Colour	White
Temperature Minimum Maximum	-400°F (-240°C) 600°F (316°C)
Pressure, max, psi (bar)	1,250 (86)
Density, g/cc (lbs/ft <sup>3</sup> )	0.85 (53)
Compressibility, % ASTM F36	72
Creep Relaxation, % ASTM F38	25
Tensile Strength across grain ASTM F152, psi (MPa)	1,596 (11)
Nitrogen Sealability, cc/min ASTM F2378	0.05

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:**

NPS – Class 150/300	Standard Spool Sizes (width x thickness x length)
2" – 4"	1/4" x 1/8" x 50 ft
5" – 8"	3/8" x 1/8" x 25 ft
10" – 16"	1/2" x 3/16" x 15 ft
18" – 24"	5/8" x 3/16" x 15 ft
26" – 48"	3/4" x 3/16" x 15 ft
48" and up	1" x 3/16" x 15 ft

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**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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