



DURLON® Joint Sealant

100% Pure Expanded PTFE Gasket Material

Durlon® Joint Sealant (PTFE Adhesive) is a highly fibrillated expanded PTFE form-in-place sealant for gasketed joints and conforms to FDA requirements.

Supplied on spools, Durlon® Joint Sealant comes in various thicknesses with a high quality adhesive backing to ease in installation; making it ideal for worn flanges of all sizes and is not dependent on flange dimensions. It exhibits flexibility, compressibility, and stability under high temperature while maintaining high tensile strength. Another feature of Durlon® Joint Sealant is its chemically inert properties which resists creep relaxation, resulting in the maintenance of a tight seal.

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

INDUSTRY APPLICATIONS:

- Chemical Processing
- Food & Beverage
- Marine
- Petrochemical
- Pharmaceutical

Recommended Usage Chart- Imperial (Metric)

Nominal Pipe Size	Width x Thickness of Joint Sealant
2" - 4" (5cm - 10cm)	.25" x 0.098" (.6cm x .25cm)
5" - 8" (13cm - 20cm)	.375" x 0.118" (1cm x .3cm)
10" - 16" (25cm - 41cm)	.5" x 0.158" (1.3cm x .4cm)
18" - 24" (46cm - 61cm)	.625" x 0.236" (1.6cm x .6cm)
26" - 48" (66cm - 122cm)	.75" x 0.276" (1.9cm x .7cm)
48" (122cm) and higher	1" x 0.197" (2.5cm x .5cm)

NOTE: "Installation Instructions" downloadable PDF is available at: www.durlon.com/resources/technical-references/

Physical Properties

Color	White
Temperature: Min Max	-268°C (-450°F) 316°C (600°F)
Density, g/cc (lbs/ft³)	0.9 (56.2)
Compressibility, %	40-60
Creep Relaxation, %	25
Nitrogen Sealability ASTM 2378, cc/min	0.05
Pressure, Max, bar (psi)	200 (2,900)

Certifications

FDA	Conforms to the requirements of 21 CFR 177.1550 for food and drug contact
RoHS Reach Declaration	Compliant

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.