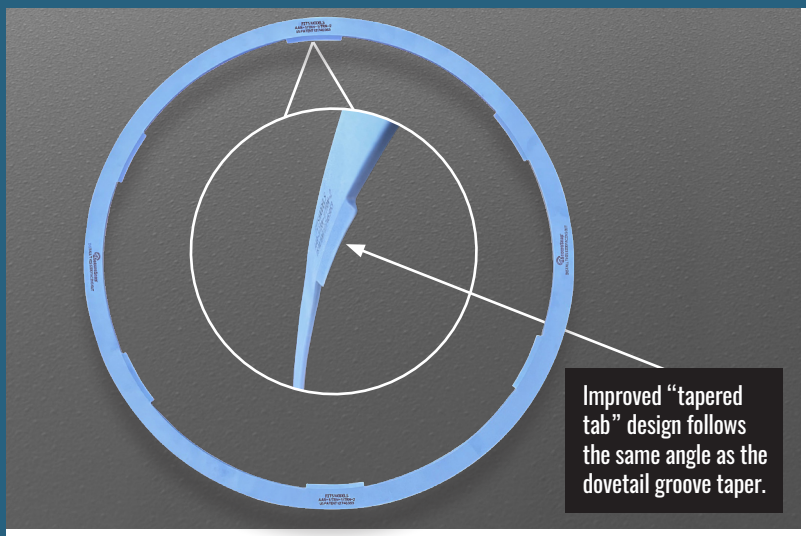


DURLON® SecureSnap®

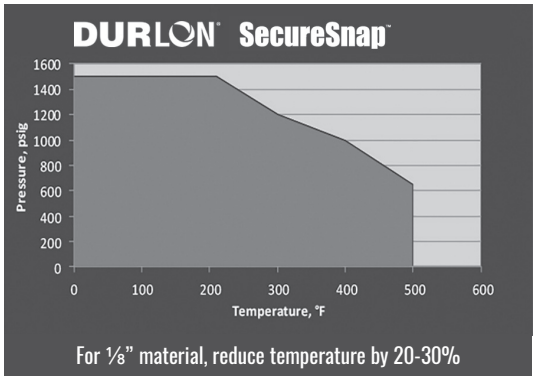
Inorganic Filler with Pure PTFE Resins Filled PTFE Gasket Material ASTM F104: F452111-A9B5E11K6M6

Durlon® SecureSnap® is a patented rail tank car manway gasket designed to simplify installation, improve gasket retention, and support reliable sealing performance. Its flexible, tapered-tab design follows the angle of the manway's dovetail groove, allowing the gasket to snap securely into place while reducing installation time and the risk of displacement during assembly.

"A single gasket universally fits the AAR-1, TRN-1, and TRN-2 manway models."

Utilizing a patented manufacturing process, the SecureSnap® technology incorporates the Durlon® 9000 sealing features as well as elastomer gasketing material to help insure a tighter seal and superior bolt load retention in less than ideal bolting conditions.

Certifications	
API 6FA* , 3rd Edition Fire Test	Passed
USP for Plastic Class VI	Met requirements - 121°C (250°F)
FDA	Conforms to required 21 CFR 177.1550
TA-luft (VDI Guideline 2440)	Approved Material
ABS-PDA & Pamphlet 95	Approved Material, Chlorine Institute
(EC) 1935/2004 & EU (10/2011)	Approved Material



For ⅛" material, reduce temperature by 20-30%



Patent No.:
US 12,746,953 B2
Dated Sep.29, 2026

**6 inch Class 300. The test fixture was subjected to an external flame of 875°C (1607°F) average for 30 minutes. The measured leakage was 1.8 ml/min, where the max allowable limit is 1200 ml/min.*

Physical Properties	
Color	Blue
Filler System	Inorganic
Temperature: Min Max Continuous, Max	 -212°C (-350°F) 271°C (520°F) 260°C (500°F)
Pressure, Max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft^3)	2.2 (138)
Compressibility, %	8-16
Recovery, %	40
Creep Relaxation, %	30
Tensile Strength, MPa (psi)	13.8 (2,000)
Nitrogen Sealability ASTM F2378, cc/min	 0.01
Leakage, mbar·L/(s·m) TA-Luft (VDI 2440) 1 bar (14.5 psi) @ 180°C (392°F)	 7.55 x 10^{-6}
Volume Resistivity ASTM D257, ohm-cm	 1.0 x 10^5
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	 16 (406)

Gasket Factors	1/16"	1/8"
m	2.2	4.6
Y psi (MPa)	1,937 (13.4)	1,639 (11.3)
G_b psi (MPa)	639 (4.4)	495 (3.4)
a	0.220	0.262
G_s psi (MPa)	55 (0.379)	65 (0.448)

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, contact our technical department.

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.

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