

DURLON® 9007

无机填充改性聚四氟乙烯

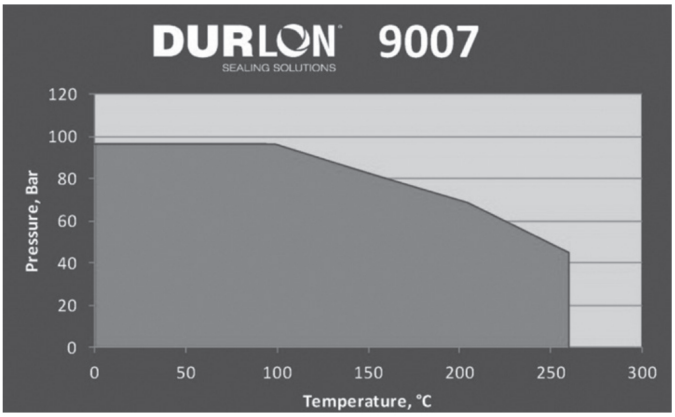
ASTM F104:459111A9B9E11K6M6

Durlon® 9007 由特殊设计形状的无机填料与高纯度PTFE树脂配方而成。广泛适用于各种材质类型的法兰密封面，包括金属或各种非金属材质法兰，比如玻璃钢，搪玻璃，PVC法兰等等。得益于特殊的配方和制造工艺，本型号产品具有比二氧化硅填充改性四氟更加柔韧的物理特性。同时，填料的特殊设计形状使得本型号产品与法兰密封面贴合表面不会发生“毛细现象”。“毛细现象”通常会发生在常规玻纤填充四氟材料，会导致液态介质渗入法兰密封面，长期对密封面产生腐蚀作用。

Durlon® 9007 适用于化工，造纸，食品饮料，深冷低温等多种严苛化学，严苛温度工况。Durlon® 9007 符合 FDA 。

适用工况:

- 化学工艺
- 食品饮料
- 通用工业/重工业
- OEM 配套设备
- 油气行业
- 石油化工
- 制药
- 发电
- 造纸



物理特性	
颜色	淡蓝
填料系统	无机
温度: Min Max 连续使用, Max	 -212°C (-350°F) 271°C (520°F) 260°C (500°F)
压力, max, bar (psi)	96.5 (1,400)
密度, g/cc (lbs/ft³)	2.1 (131)
压缩率, %	5-20
回弹率, %	40
蠕变松弛, %	35
抗拉强度, MPa (psi)	13.8 (2,000)
氮气气密性 ASTM 2378 (Nitrogen)	 0.01 cc/min

垫片系数	1/16”	1/8”
m	2.3	4.9
Y psi (MPa)	1,997 (12.7)	1,711 (11.7)
G_b psi (MPa)	648 (4.4)	509 (3.5)
a	0.210	0.269
G_s psi (MPa	58 (0.39)	68 (0.46)

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 specifications 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.