DURLON® CFG

Corrugated Flexible Graphite Gasket

Durlon® CFG is a corrugated flexible graphite gasket material designed for severe service conditions. The proprietary design of the corrugations gives Durlon® CFG superior sealing and recovery characteristics for tough conditions in the refining, chemical, petrochemical, and pulp & paper industries. Durlon® CFG is suitable for service in steel, oil, mild alkalis, mild acids, hydrocarbons, and solvents.

Durlon® CFG consists of flexible graphite laminated with an adhesive bond on both sides of a corrugated 316 stainless steel core. For consolidation of inventories and applications standardization, Durlon® CFG is available for all applications in 3⁄32" (2.4mm) thickness. (1⁄16" and 1⁄8" thickness is also available.)

INDUSTRY APPLICATIONS:

- Water & Wastewater
- Oil & Gas
- Mining
- Food & Beverage
- OEM Services
- Petrochemical
- Power Generation
- General Industrial
- Marine
- Chemical Processing
- Pulp & Paper

Certifications	
Fire Test	API 6FB
RoHS Reach Declaration	Compliant

Physical Properties	
Temperature: Min Max Continuous, Max	 -200°C (-328°F) 650°C (1,200°F) 550°C (1,022°F)
pH range, Room Temp.	0-14
Pressure, Max, bar (psi)	207 (3,000)

Gasket Factors	
G_b psi (MPa)	557 (3.84)
a	0.325
G_s psi (MPa)	2.21 (0.015)
m, Y psi (MPa)	2.6, 3770 (26.0)

ADVANTAGES:

- Recovery/Spring-Back characteristics for excellent sealing and thermal cycling
- Blowout Resistant - Metal core counteracts internal pressure spikes
- Superior Emissions Control - Nitrogen Sealability (ASTM F2378) <0.01 cc/min
- Easy to handle, easy to install
- Seals tightly with lower bolt loads vs. SWGs

MATERIALS:

- Alternate facing material is available upon request. Popular materials include Durlon® 9600 expanded PTFE (ePTFE), mica & ceramic

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.