

DURLON[®] CFG

CORRUGATED FLEXIBLE GRAPHITE GASKETS ASTM F104: F517000-B1M3

APPLICATION:

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 and paper industries. Durlon[®] CFG is suitable for service in steam, oil, water, mild alkalis, mild acids, hydrocarbons, and solvents.

Durlon[®] CFG will maintain a tight seal in a wide range of seating stresses making it the universal replacement for spiral wound, double jacketed, and traditional flexible graphite gaskets.

ADVANTAGES:

- Fire tested/fire resistant – Passed the modified API 607 fire test.
- Recovery/Spring Back characteristics for excellent sealing and thermal cycling.
- Blow Out 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. spiral wounds.

COMPOSITION:

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 application standardization, Durlon[®] CFG is only available in 3/32" (2.38mm) thickness.

TYPICAL PROPERTIES:

Temperature	
Minimum	-328°F (-200°C)
Maximum, in air	850°F (450°C)
Maximum, in steam	1,200°F (650°C)
Pressure, max, psi (bar)	3,000 (207)
Nitrogen Sealability, cc/min ASTM F2378	<0.01

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:

Standard ANSI Class 150 and 300 Ring and Full Face: 1/2" to 24"

Non-Standard MSS SP-44 & API 605: 26" to 96"

Non-Standard Ovals: Handhole and Manway Gaskets

Full Face

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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