

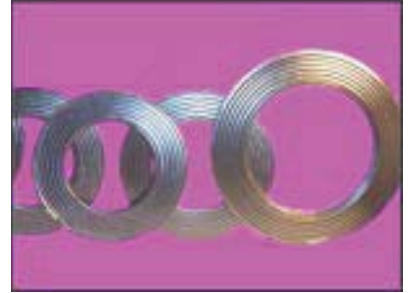
DURLON[®] CFG

CORRUGATED FLEXIBLE GRAPHITE GASKETS

ASTM F868: 9FMF2 (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 **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.



COMPOSITION:

DURLON[®] CFG consists of flexible graphite laminated both sides to a corrugated stainless 316 core.

SIZES & TYPES:

One Standard Thickness for all applications:

- 3/32" (2.38mm)

Corrugated Core Material:

- 24 ga (0.0239", 0.6mm), 316 stainless steel

Standard ANSI Class 150 & 300 ring gaskets:

- 1/2" — 24"

Other Styles on Special Order including:

- Full Face
- Non Standard Sizes 26" — 96"
- MSS SP-44
- API 605
- Ovals
- Handhole
- Manway
- Heat Exchanger
- Different metallurgies

AVANTAGES:

Fire Safe:

- Passed a modified API 607 fire test at Southwest Research Institute.

Blow-Out Resistant:

- Metal core counteracts internal pressure spikes.

High Spring-Back:

- Excellent recovery in thermal cycling and severe vibration services.
- Stable leakage control with minimal force.

Superior Emissions Control:

- DIN 3535 gas permeability/leakage:
<0.01 cc/min

Seals Imperfect Flanges:

- Flexible graphite fills small voids

No Inward Buckling:

- Corrugations force the flexible graphite up to the sealing surface
- No expensive inner rings required

Seats on a Variety of Surface

Finishes:

- 60 to 750 rms

Easy & Safe to Handle, Install and Remove:

- Will not cut
- Large gaskets easily install, will not collapse, fold or unwind
- When replacing, cleaning flange serrations is unnecessary

One Thickness for All Applications:

- Reduces gasket inventory
- Standardize installation procedures

SPECIFICATIONS:

Temperature, Min:	-328°F (-200°C)
Temperature, Max:	
In Air	+850°F (450°C)
In Steam	+1200°F (650°C)
pH Range:	0-14
GASKET FACTORS	
Gb psi (MPa)	557 (3.8)
a	0.325
Gs psi (MPa)	2.21 (0.02)
ASTM SPECIFICATION:	
F104:	F517000-B1M3
F868:	9FMF2

AVAILABLE SIZES:

SIZE	Order Code	
	Class 150 Rings	Class 300 Rings
1/2"	CFG1332012	CFG2332012
3/4"	CFG1332034	CFG2332034
1"	CFG1332010	CFG2332010
1-1/2"	CFG1332112	CFG2332112
2"	CFG1332020	CFG2332020
2-1/2"	CFG1332212	CFG2332212
3"	CFG1332030	CFG2332030
4"	CFG1332040	CFG2332040
6"	CFG1332060	CFG2332060
8"	CFG1332080	CFG2332080
10"	CFG1332100	CFG2332100
12"	CFG1332120	CFG2332120
14"	CFG1332140	CFG2332140
16"	CFG1332160	CFG2332160
18"	CFG1332180	CFG2332180
20"	CFG1332200	CFG2332200
24"	CFG1332240	CFG2332240

Warning: Durlon gasket materials should never be recommended when both the temperature and the pressure are at the maximums listed. Properties and applications shown 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. The 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. The information and specifications contained in this website are subject to change without notice. This revision cancels and obsoletes all previous editions.