

PRODUCT DATA SHEET

1.0 SCOPE

- 1.1 This specification describes the Duragraf F sheet gasket which is a stainless steel foil reinforced graphite sheet.
 1.2 Product Duragraf F is manufactured for high pressure and temperature applications in power generation, petrochemical and chemical industry.

2.0 CONTENT AND CONSTRUCTION

- 2.1 Content
 2.1.1 Flexible graphite
 2.1.2 316SS stainless steel
 2.2 Construction
 2.2.1 Flexible graphite with a 50 µm 316SS stainless steel flat insert
 2.3 Color
 2.3.1 Grey

3.0 TYPICAL PROPERTIES

- 3.1 Pressure and temperature capabilities

	resistant
	resistant, but ensure that proper installation procedures are followed
	generally not resistant, consult engineering

- 3.2 Physical properties

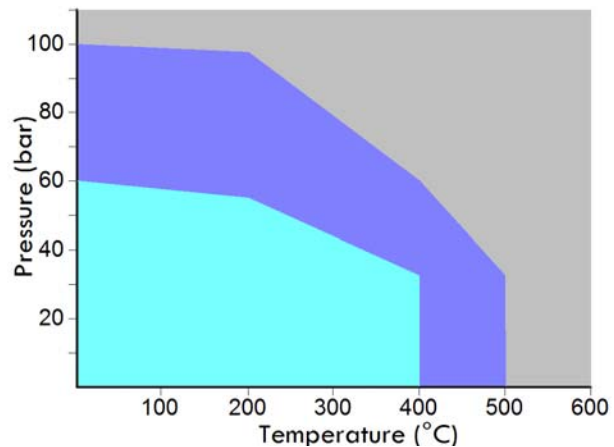
- 3.2.1 Compressibility (ASTM) – 40-50%
 3.2.2 Recovery (ASTM) – 10-15%
 3.2.3 Density – 1 g/cm³
 3.2.4 Stress resistance (DIN 52913)
 - 16h, 300°C, 50 MPa – >45 MPa
 3.2.5 Gasket Factors DIN 2505
 - σ_{vu} (N/mm²) – 10
 - σ_{vo} (N/mm²) – 100
 - σ_{bo} (N/mm²) 300°C – 65
 - m – 1.3
 3.2.6 Gasket factors ASTM
 - m factor – 2
 - y factor – 900 psi (6.2 N/mm²)

- 3.3 Chemical properties

- 3.3.1 This material can be used in steam and has excellent chemical resistance to practically all chemicals except strong oxidizers.

- 3.4 Approvals

- 3.4.1 Duragraf F has a DVGW and BAM approval



Pressure and temperature capabilities are an indication only.
 Always consult Chesterton application engineering when in doubt.

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