

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.

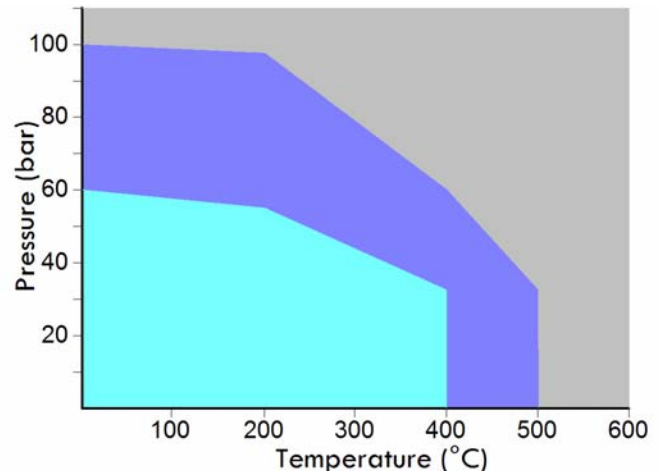
2.0 CONTENT AND CONSTRUCTION

- 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



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

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

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