

Grafoseal C9200 (GTO)

Description of Material:

GTO is expanded graphite with a purity degree of minimum 95%. The material does not contain binding agents of any kind. GTO has very fine creep characteristics even under extreme mechanical and/or thermal stress. A corrosion-inhibiting agent is distributed throughout the graphite. This agent migrates to the metal surface of the flange and thus protects it from galvanic corrosion.

Specifications

Values

Density		1.1 g/cm ³
Temperature		-240 to +550° C
Compressibility	ASTM F36/A	30 - 50 %
Recovery	ASTM F36/A	10 - 20 %

ASTM fuel B - after 5 hours at 23 °C:

Weight increase	25 - 35 %
Thickness increase	0 - 10 %

ASTM oil no. 3 - after 5 hours at 150 °C:

Weight increase	30 - 45 %
Thickness increase	0 - 10 %

End use applications:

The material is specially designed for applications with conducting fluids, and low gasket surface stress.

Where ever cast iron flanges are used in connection with liquid bearing joints, the use of GTO or its steel reinforced derivatives should be considered.

Material thickness: 0.5 and 1.0 mm