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Grafoseal C9100

Description of Material:

C9100 is expanded graphite with a purity degree of minimum 96%. The material does not contain binding agents of any kind. C9100 has very fine creep characteristics even under extreme mechanical and/or thermal stress.

Specifications	Values
Density	1.1 g/cm^3
Temperature	-240 to +450° C
Compressibility ASTM F36/A	30 - 50 %
Recovery ssASTM 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 designed for general use in industrial and automotive applications within a large range of gasket surface stresses. The most common design is the steel reinforced laminate gasket for increased tensile and compressive strength.
For thin gaskets in stable flanges, the use of C9100 without reinforcement could be considered.

Material thickness: 0.25 - 0.5 - 0.75 - 1.0 mm