

STRANDED GRAPHITE



GASKET MATERIAL

Material

It is the designation for asbestos-free materials made of expanded graphite and various metal cores.

Metal Reinforcement Types ;

Grafit TE (304/316 Flat Foil, Stainless Braided 0.1 mm)

Properties

It is characterized by exceptionally good chemical and thermal resistance, high compressibility, i.e. good conformability to irregular and rough sealing faces, low creep, good gas sealability, and consistent material properties even under alternating operating conditions. The tanged core guarantees excellent resistance against blow-out at high pressures.

Application

Grafit is used to seal cylinder heads and exhaust systems of internal combustion engines and wherever high, alternating thermal and mechanical stress is encountered and where the medium to be sealed allows the use of a zinc-galvanized structural steel core. This version is also a very economical alternative to Grafit. Grafit covers the application range of Grafit due to the pegged, stainless steel core used. The material can also be used to seal aggressive media in pipeline and apparatus construction.

Technical Data

Density	g/cm ³	1.0 - 1.1
Carbon Ratio	%	99
Thickness Tolerance	N/mm ²	± 0.05
Ash content	%	< 1
Chloride Ratio	N/mm ²	< 50
Sulfur Content	N/mm ²	< 1200
Compressibility	%	< 40
Revert	%	< 20
Maximum Continuous Temperature	C	650
Maximum Continuous Pressure	bar	140

Form of Delivery

Gaskets according to a drawing, dimensions supplied, or other arrangement.

Sheets Size x Sheets Size x Thickness

- 1500 x 1500 x 2.00 mm
- 1500 x 1500 x 3.00 mm
- 1500 x 1500 x 4.00 mm
- 1500 x 1500 x 5.00 mm
- 1500 x 1500 x 6.00 mm