

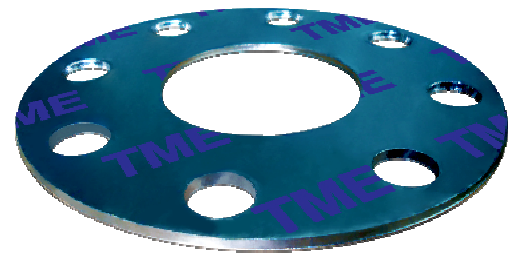
TECHNICAL DATA SHEET

PURE EXPANDED GRAPHITE JOINTING SHEETS

TME 300

Description

Pure expanded graphite without insert is used for low pressure and extreme conditions of aggressive chemical and heat. This material offers excellent torque retention under moderate bolt load.



Material Properties

Colour	Black
Composition	Pure Expanded Graphite
Maximum pressure Psi (Bar)	580 (40)
Working temperature (°C)	-200 °C ~ 500 °C oxidizing -200 °C ~ 650 °C steam

Physical Properties

Compressibility (%)	40 ~ 50
Density (g/cm ³)	1.1
Ash content (%)	≤ 1.0
Leachable chloride content (ppm)	≤ 50
Gas permeability (cm ² /min)	0.60 < 0.60 < 0.80 < 1.0
Spec. leak pate (mg/s/m)	< 0.05 < 0.08 < 0.1 < 0.1
Stress relaxation (mg/s/m)	> 47
Minimum gasket assembly stress (N/mm ²)	20
Maximum permissible gasket stress (N/mm ²)	160 140 120 120
Max. permissible gasket stress (N/mm ²) under service condition	140 120 100 100

Jointing sheets can be cut either to standard or customer specific requirements in-house.