

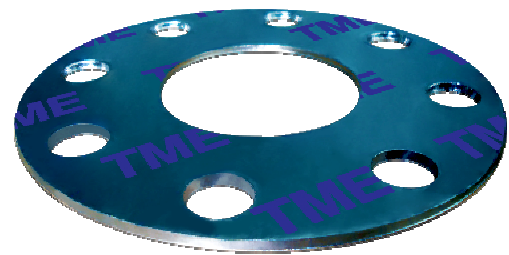
TECHNICAL DATA SHEET

TANGED GRAPHITE JOINTING SHEETS

TME 400

Description

Expanded Graphite with perforated steel foil insert withstand extreme conditions of aggressive chemicals, heat and pressure. This material offers excellent torque retention under moderate bolt loads.



Material Properties

Colour	Black
Composition	Expanded Graphite, Stainless Steel Reinforced
Maximum pressure Psi (Bar)	2030 (140)
Working temperature (°C)	-200 °C ~ 500 °C oxidizing -200 °C ~ 650 °C steam

Physical Properties

Compressibility (%)	30 ~ 35 30 ~ 40
Density (g/cm ³)	1.1
Ash content (%)	≤ 1.0
Leachable chloride content (ppm)	≤ 50
Material of insertion	316/SS (Tanged)
Thickness of insertion (mm)	0.1
Number of inserts	1 or 2
Gas permeability (cm ² /min)	0.60 < 0.60 < 0.80 < 1.0
Stress relaxation (mg/s/m)	> 48 > 48 > 48 > 45
Minimum gasket assembly stress (N/mm ²)	20
Maximum permissible gasket stress (N/mm ²)	180 160 140 120
Max. permissible gasket stress (N/mm ²) under service condition	160 140 120 100

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