

TF1200G is a standard formulation offering an extra high friction level. It is a rigid material, with low wear and very stable friction performance. The material consists of phenol resins with an NBR bonding system, short fibers, friction modifiers and fillers. TF1200G is fully cured and suitable for machining, bonding and riveting. Available in thicknesses from 1/16" through 1.5".

Friction Properties

Static Friction Coefficient (15bar, from box): 0.55±0.05μ

Static Friction Coefficient (15bar, 100°C): 0.55±0.05μ

Dynamic Friction Coefficient: 0.55±0.05 μ

Wear Rate [mm³/kWh]: 90± (at 150°C)

T Fading: >660°C/1220°F

Physical Properties

Hardness (DIN53505): 88±5 ShoreD

Specific Gravity (ASTMD792): 1.80±0.05 gr/cm³

Thermal Conductivity (ASTME1952): 0.25±0.01 Wm°K

Tensile Strength (ASTM D638): 15±5 N/mm²

Compressive Strength (ISO 844:2014): 175±5 N/mm²

Ignition Loss (ASTM D-2524): .40± 2%

Thermal Properties

Maximum Continuous Operating Temp: 300/570 C°/F°

Maximum Intermittent Operating Temp: 400/750 C°/F°

Material Type: Rigid Friction Material

Appearance/Formats:

Flat Sheets, Rings, Gear Tooth Facings, Bonded Parts, Torque Limiters, Standing Press Brakes.

Applications

Industrial Clutches

Gears

Heavy Vehicle Clutches

Miscellaneous Industrial Brakes & Clutches

Press Brakes

Compliance: Reach(EC)1907/2023 & RoHS2015/863/EU

Additional

Recommended Mating Surfaces: Pearlitic Cast Iron with Hardness HB150-200.

Recommended Adhesive: Thermosetting.

Oil Resistant: Yes.

The above data is taken from specific test parameters, therefore results can vary in differing application conditions

