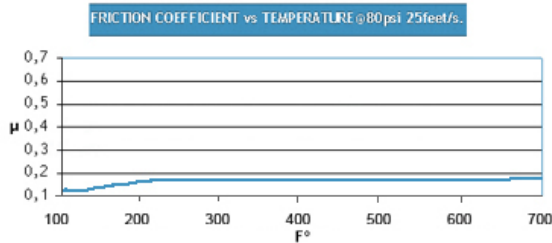




Friction Material: TF4800

Technical data

Thermofiber 4800 is a rigid molded friction material, whose main characteristic is a very low dynamic friction coefficient. It is composed basically of resins as a link system with frictional modifier agents, This material has good mechanical properties. It is a fully cured material and is suitable for both bonding and riveting.



Material Description

Type: Rigid molded friction
Availability: Sheets
Finished parts
Applications: Industrial clutches
Continuous brakes
Calipers for industrial applications

Friction Properties (F.A.S.T test)

Dynamic Friction Coefficient (@79N, 7m/s): 0.18
Wear Rate (@79N, 7m/s): $22 \pm 10 \text{ mm}^3/\text{Kwh}$
T° Fading (@100N, 11.5m/s): 392°F

Physical Properties

Hardness (DIN53505): $74 \pm 5 \text{ Shore-D}$
Specific Gravity (ASTM D792-91): $1.89 \pm 0.05 \text{ gr/cm}^3$

Mechanical Properties

Tensile Strength (ASTM D638-10): 37 N/mm^2
Compressive Strength (UNE 53205): 130 N/mm^2
Poisson Coefficient: 0.24
Young Modulus (ASTMD638-10): 11923 N/mm^2

Recommended Working Values

T° Max. Continuous Operation: 302°F
T° Max. Intermittent Operation: 392°F