



Friction Material: TF650

Technical Data

Technofiber 650 is a flexible woven friction material composed by a 3 axis yarn construction reinforced with brass wire. Offers a tough material with heat and compression resistance.

Material Description

Type: Flexible woven friction
Availability: Rolls
Applications: Mining Machinery
Machinery Marine industries
Marine towing winches
Heavy-duty industrial machinery
Heavy loaded Winches and Cranes
Industrial drum and brand brakes

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

Dynamic Friction Coefficient (@79N, 7m/s): 0.65
Wear Rate (@79N, 7m/s): $288 \pm 10 \text{ mm}^3/\text{Kwh}$
T° Fading (@100N, 11.5m/s): 464°F

Physical Properties

Hardness (DIN53505): $65 \pm 5 \text{ Shore-D}$
Specific Gravity (ASTM D792-91): $1.61 \pm 0.05 \text{ gr/cm}^3$

Mechanical Properties

Tensile Strength (ASTM D638-10): 25 N/mm^2
Compressive Strength (UNE 53205): 180 N/mm^2
Ultimate Shear Strenght (ASTM D732): 45 N/mm^2

Recommended Working Values

T° Max. Continuous Operation: 446°F
T° Max. Intermittent Operation: 536°F
Maximum Unit Pressure: 14 Kg/cm^2
Maximun Velocity: 15inches/second

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200
Recommended Adhesives: Thermosetting adhesive.
Oil Resistant: Yes