

ID Material:
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TF3062

Developed for industrial applications, Thermofiber 3062 is a rigid, molded friction material. The most noted properties of this material are its hardness and mechanical strength. The material is comprised of phenolic resins with NBR bonding system, short fibers, friction modifiers, metallic particles and fillers. It is a fully cured material and is suitable for both bonding and riveting.

Material Data

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

Dynamic Friction Coefficient (@79N, 7m/s): 0.4

Wear Rate (@79N, 7m/s): $40 \pm 10 \text{ mm}^3/\text{Kwh}$

To Fading (@100N, 11.5m/s): 608°F

Physical Properties

Hardness (DIN53505): 87±5 Shore-D

Specific Gravity (ASTM D792-91) : $1.85 \pm 0.05 \text{ gr/cm}^3$

Mechanical Properties

Tensile Strength (ASTM D638-10): 12 N/mm^2

Compressive Strength (UNE 53205): 160 N/mm^2

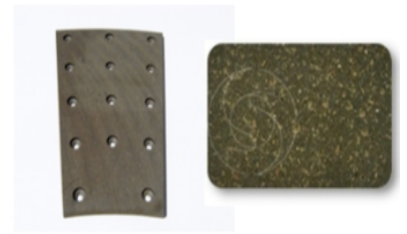
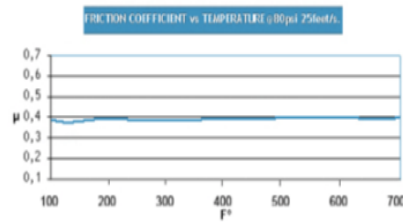
Recommended Working Values

To Max. Continuous Operation: 482°F

To Max. Intermittent Operation: 662°F

Material Type : Rigid molded friction

Appearance / Formats



Applications

Industrial clutches
Calipers for industrial applications
Ring segments for machinery
Heavy-duty industrial machinery
Forging Machinery
Electro-magnetic brakes
Torque Limiters

Price Level :

Reach (EC) 1907/2006 - RoHS 2011/65/EU :

Others

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

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