

ID Material:
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TF3066

Thermofiber 3066 is a black rigid friction material which is comprised of phenolic resins as a bonding system with short fibers, friction modifiers and fillers. TF3066 provides medium-to-high static efficiency and excellent mechanical resistance making it ideal for wind turbine components.

Material Data

Friction Properties (according to graphics)

Dynamic Friction Coefficient (@79N, 7m/s): 0.45

Wear Rate (@79N, 7m/s): 85± 10 mm³/Kwh

T^o Fading (@100N, 11.5m/s): 482°F

Physical Properties

Hardness (DIN53505): 88±5 Shore-D

Specific Gravity (ASTM D792-91) : 1.75± 0.05 gr/cm³

Ignition Loss (ASTM D-2524): 30 ± 2 %

Acetone Extraction ISO2859-1: 0.15 ± 0.2 %

Thermal Conductivity (ASTM E1952-01): At 212°F 0.49 W/m^oK

Mechanical Properties

Tensile Strength (ASTM D638-10): 19N/mm²

Compressive Strength (UNE 53205): 110 N/mm²

Shear Modulus (ASTM D2344-00): 2687N/mm²

Poisson Coefficient: 0.24

Young Modulus (ASTMD638-10) : 5506N/mm²

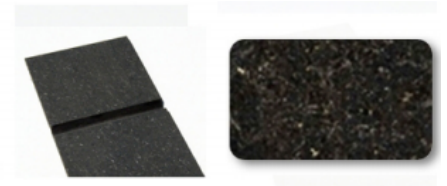
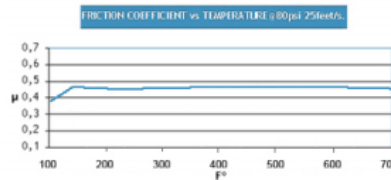
Recommended Working Values

T^o Max. Continuous Operation: 482°F

T^o Max. Intermittent Operation: 662°F

Material Type : Rigid molded friction

Appearance / Formats



Applications

Heavy duty static applications

Yaw brakes

Damper Technologies

Holding Mechanical Structures

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