TF3400

Molded Non-Asbestos Friction Material

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TF3400 is a medium friction, non-asbestos molded material available in arced drum lining or special piece forms. TF3400 offers high temperature stability and excellent wear characteristics in a fully cured rigid molded material. TF3400 is designed for riveted or bonded applications requiring superior grip characteristics. This material is ideal for overhead cranes, heavy duty drum brakes and similar industrial applications.

Friction Properties

Static Friction Coefficient (15bar, from box): 0.40±0.05µ
Dynamic Friction Coefficient, Normal (IS 2742): 0.42µ
Dynamic Friction Coefficient, Hot (IS 2742): 0.41µ
Friction Rating (IS 2742): FF
Maximum Rubbing Speed: 7500 ft/min.

Physical Properties

Hardness (DIN53505): 90±5 ShoreD
Specific Gravity (ASTM D792): 1.80±0.05 gr/cm3
Compressive Strength (ISO 844:2014): 18800±10 N/mm2

Thermal Properties

Fade tested to 653°F (345°C) drum temperature (IS 2742).
Friction 0.39-0.49µ from 200°F to 600°F (93-317°C).
Friction 0.29µ at 653°F (345°C); recovers to 0.39µ at 214°F (101°C).

Wear Properties

IS 2742, 100 applications: 4.1% thickness loss, 5.1% mass loss.

Material Type: Molded Non-Asbestos Friction Material

Appearance/Formats:

Radius Blocks, Disc Brake Pads, Flat Sheets, Special Molded Pieces.

Applications

Overhead and Industrial Cranes.
Keylock Blocks.
Brake Parts, Industrial Brake Linings.

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







