

Product Data Sheet: TL2003

Product Description:

TL2003 is a semi-flexible Non Asbestos Brake Lining for medium and heavy duty applications. The solid composite is woven from several types of fabric containing brass wire and impregnated with specially developed resins. The dense, tough material exhibits high resistance to heat and wear and excellent stability under load. TL2003 is suitable for cast iron, carbon steel and stainless steel working surface.

Applications:

TL2003 is extensively used in marine and industrial applications. It is suitable for winch and windlass, hoist, crane, winder, drilling and work over rigs, agricultural vehicle, elevator, and construction machinery. When TL2003 is supplied for use on oil immersed applications, the friction value will be much lower than it is used in dry conditions.

Dimension:

Width: Max 510mm (20 inch)

Thickness: 3.2mm—31.75mm (1/8 – 1.25 inch)

Length: 15 M/roll, can be cut to the length requested by the customer or supplied in rolls as per their requirements.

For special specifications, pls contact us for information.

Frictional Properties:

Coefficient of Friction(dynamic)

Typical Values

0.50

Density: 1.20-1.40 g/cm³

Mechanical properties:

Ultimate tensile strength(GB/T1040)

30Mpa (4350psi)

Ultimate shear strength (GB/T 26739)

30Mpa (4350psi)

Ultimate compressive strength (GB/T1041)

130Mpa (18850psi)

Recommended Operating Range:

Working pressure

0.05-3.0MPa(7.25-435psi)

Max. Rubbing Speed

25m/s (5000ft/min)

Max. Intermittent Temperature

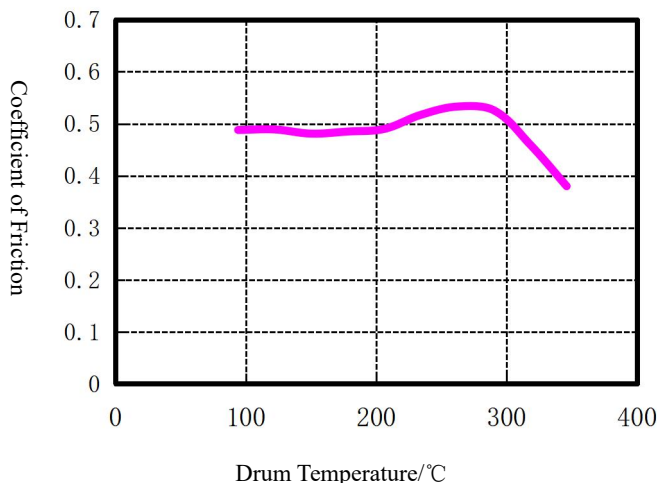
250°C (480°F)

Max. Continuous Temperature

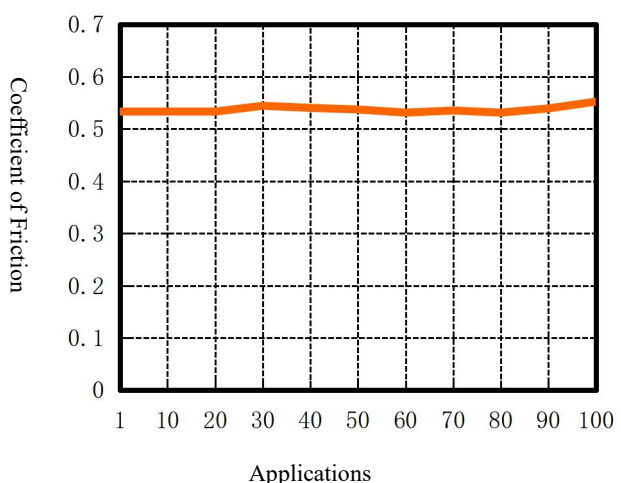
150°C (300°F)

COEFFICIENT OF FRICTION from SAE J661a test procedure

Second Fade



Wear Test



Note: The data provided in this data sheet are for the purpose of comparing our products. They cannot guarantee that the friction coefficient in actual applications will be consistent with the data listed in this sheet. Please conduct a complete machine test before making a selection.

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