TF206

Friction Paper

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TF206 is a highly resilient non asbestos fiber friction material with a structure designed to provide good energy capability, stable friction characteristics, low wear and long service life. TF206 offers a low static to dynamic coefficient of friction for enhanced engagement characteristics, excellent energy capability, and good wear resistance.

Friction Properties

Static Friction Coefficient : 0.13-0.16 ±0.05μ

Dynamic Friction Coefficient: 0.11-0.14 ±0.05 μ

Material Type: Fiber Paper Matrix

Appearance/Formats:

Rings and flat pieces.

Bonded Parts.

With Optional Oil Grooves.

Physical Properties

Dynamic Pressure: 3.5 N/mm² (508 Lbf/in²)

Rubbing Speed: 35 m/s (115 Ft/sec)

Specific Power: 4.0 W/mm² (3.4 HP/in²)

Multi-pass tangential oil groove patterns in a variety of configurations. Grooves can either be pressed or machined.

Thickness: Max 1.50mm (0.06") to Min 0.40mm (0.02").

Diameter: Max 1,000 mm (36.37").

Applications

Transmission Clutches.

Power Shift and Power Take Off Transmissions.

Wheel Brakes.

Thermal Properties

Contact ProTec

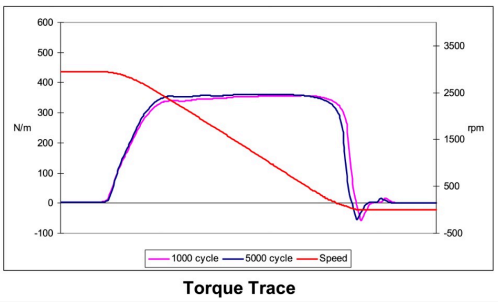
Compliance: Reach (EC)1907/2023 & RoHS2015/863/EU

Additional

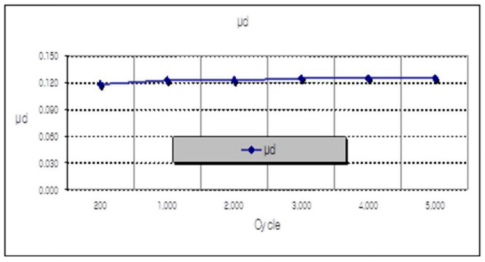
Recommended Mating Surfaces: Cast Iron with surface finish < 0.5μm Ra (20μin CLA).

Steel hardened & tempered, Cast Steel, Cast Gray Iron.

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



Torque Trace



Change of Dynamic Coefficient of Friction

Total cycles	5,000 cycles
Inertia	0.04 kgf·m·sec^2
Dynamic rpm	2940
Friction facing dimensions	Ø133.5mm × Ø99.0mm
Friction surfaces	4
Unit energy	0.74J/㎟
Unit pressure	2.0 Mpa
Oil type	Tractor oil
Oil temperature	80℃(±5℃)
Arrangement	pDpDp

Test Conditions