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.

Average Friction Coefficient (wet)

Static: 0.13 - 0.16
Dynamic: 0.11 - 0.14

Recommended Maximum Load

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)

Oil Grooving and Dimensions

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

Thickness: max 1.50 mm (0.060") to min 0.40 mm (0.016")
Diameter: max 1,000 mm (39.37")

Thermal Properties

Contact ProTec

Material Type: Fiber Paper Matrix

Appearance / Formats

Rings and flat pieces.
Bonded parts.
With optional oil grooves.

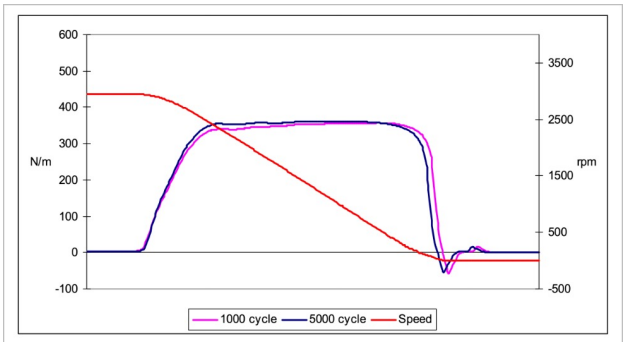
Applications

Wheel brakes.
Transmissions.
Power shift and power take off transmissions.

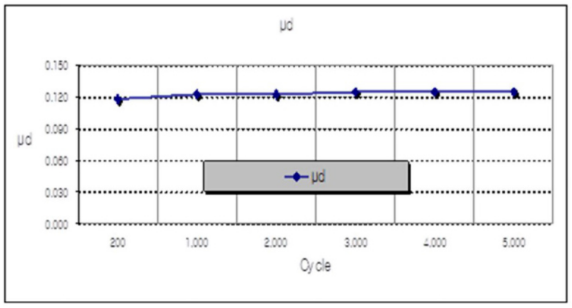
Mating Surfaces

Steel, cast steel, grey cast iron.
Surface finish < 0.5 µm Ra (20 µin).

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	Unit energy	0.74 J/mm²
Inertia	0.04 kgf·m·sec²	Unit pressure	2.0 MPa
Dynamic rpm	2940	Oil type	Tractor oil
Friction facing dimensions	Ø133.5 mm × Ø99.0 mm	Oil temperature	80 °C (±5 °C)
Friction surfaces	4	Arrangement	pDpDp

Test Conditions