

P202

FRICION PAPER

Material Description

P202 is a non-asbestos cellulose friction material with highly resistant fibres and fillers. Commonly used because of its high level of dynamic friction, good durability and reliable performance in oil running applications.

- Smooth engagement characteristics
- High and stable friction coefficient
- Low ratio of static to dynamic coefficient of friction

Typical Applications

- Wheel brakes
- Powershift transmissions

Average Friction Coefficient (wet)

- Static: 0.13 - 0.16
- Dynamic: 0.12 - 0.15

Mating Material

- Surface finish < 0.5µm Ra (20µ")
- Steel
- Cast steel
- Grey cast iron

Recommended Max 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

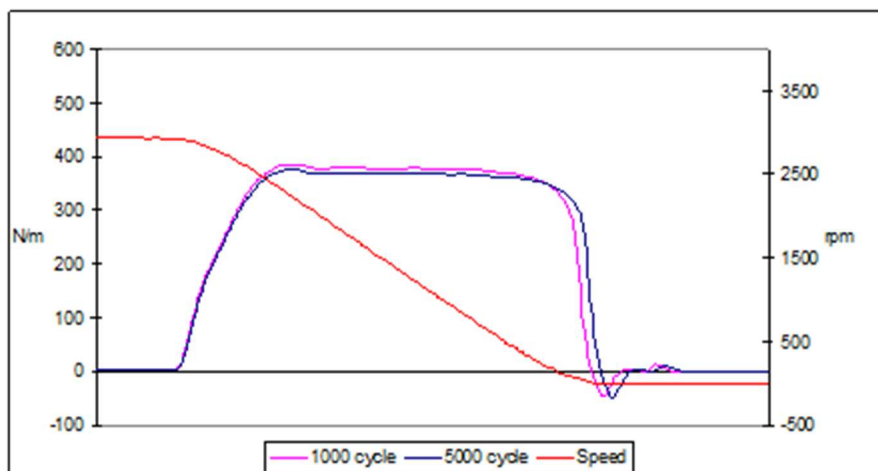
- Multi-pass tangential groove patterns in variety of configurations
- Grooves can either be pressed or machined

Dimensions

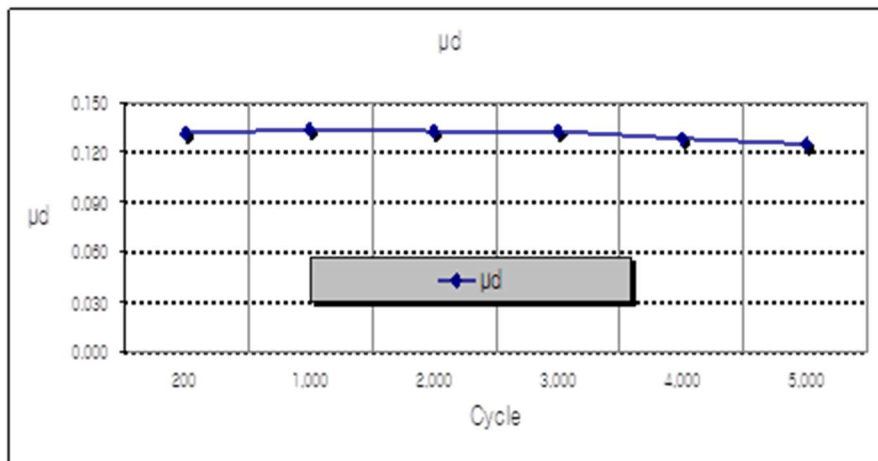
- Friction thickness: Max 1.5 mm (0.060") to Min 0.35 mm (0.016")
- Friction diameter: Max 1,000 mm (39.37")

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

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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/mm ²
Unit pressure	2.0 Mpa
Oil type	Tractor oil
Oil temperature	80°C(±5°C)
Arrangement	pDpDp

Test Conditions