

ID Material:
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Revision: 5
Date: 4/21/12

TTP125

ADVANCED FRICTION PAPER

TTP125 is a non-asbestos cellulose fibre friction material reinforced with a high volume of graphite. This is a high strength material providing a very stable coefficient of friction and good thermal conductivity.

- High heat stability
- Smooth engagement characteristics
- Excellent energy capability

Good wear resistance

Material Data

Typical Applications

- Powershift Transmissions
- Power take-off clutches
- Forward-reverse clutches

Mating Material

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



Microstructure of TTP125

Friction Coefficient (wet)

- Static : 0.12 - 0.16
- Dynamic : 0.11 - 0.14

Recommended Load

- Max dynamic pressure: 3.5 N/mm² (508 Lbf/in²)
- Max rubbing speed: 45 m/s (147 Ft/sec)
- Max specific power: 4.0 W/mm² (3.4 HP/in²)

Oil Grooving

- Grooves can either be pressed or machined

Radial

Waffle

Spiral

Sunburst

Dimensions

- Friction thickness: 0.50mm (0.02") ~ 1.20mm (0.05")
- Friction diameter: 1,000 mm (39") max / 50 mm (2") min

Price Level : \$\$

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