

ID Material:
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TTP127

CARBON FRICTION PAPER

TTP127 has a structure of highly conductive fibers designed to provide outstanding thermal capability. The use of porous carbonaceous materials improves the stability of the torque curve over a wide range of temperatures and pressures.

- Low ratio of static to dynamic coefficient of friction for enhanced engagement characteristics
- Smooth engagement
- Excellent energy capability
- Good wear resistance

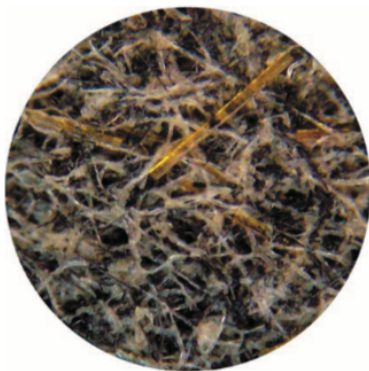
Material Data

Typical Applications

- Differentials & wheel brakes
- Torque converter clutches
- Transmissions

Mating Material

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



Microstructure of TTP127

Friction Coefficient (wet)

- Static : 0.10 - 0.14
- Dynamic : 0.12 - 0.14

Recommended Load

- Max dynamic pressure: 3.2 N/mm² (464 Lbf/in²)
- Max rubbing speed: 40 m/s (130 Ft/sec)
- Max 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: 0.75 mm (0.03")
- 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