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ID Material:

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TTP128

CARBON FRICTION PAPER

TTP128 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 static to dynamic coefficient of friction for enhanced engagement characteristics**
- **Smooth engagement**
- **Excellent energy capability**
- **Good wear resistance**

Material Data

Typical Applications

- **Wheel brakes, LSD**
- **Transmission clutch**

Friction Coefficient (wet)

• Static:	0.09	-	0.13
• Dynamic:	0.11	-	0.13

Mating Material

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

Recommended Load

- **Max dynamic pressure: 4.5 N/mm² (653 Lbf/in²)**
- **Max rubbing speed: 45 m/s (147 Ft/sec)**
- **Max specific power: 4.0 W/mm² (3.4 HP/in²)**

Microstructure of TTP128

Oil Grooving

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

Dimensions

- **Friction thickness:**
  0.50mm (0.02") ~ 1.20mm (0.05")
- **Friction diameter:**
  1,200 mm (47") max 50 mm (2") min

Price Level : **$$$**

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