



TTP127

Carbon Friction Paper

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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. TTP127 offers smooth engagement characteristics, excellent energy capability, and good wear resistance. Available in .75mm thickness.

Friction Properties

Static Friction Coefficient: 0.10-0.14 ±0.05μ
Dynamic Friction Coefficient: 0.12-0.14 ±0.05 μ

Material Type: Carbon Fiber Paper Matrix

Appearance/Formats:

Rings and flat pieces.
Bonded Parts.
With Optional Oil Grooves.

Physical Properties

Dynamic Pressure: 3.2 N/mm² (464 Lbf/in²)
Rubbing Speed: 40 m/s (130 Ft/sec)
Specific Power: 4.0 W/mm² (3.4 HP/in²)

Applications

Torque Converter Clutches.
Transmissions.
Differentials and Wheel Brakes.

Compliance: Reach(EC)1907/2023 & RoHS2015/863/EU

Thermal Properties

Contact ProTec

Additional

Recommended Mating Surfaces: Cast Iron with surface finish < 0.5μm Ra (20μin CLA).
Steel hardened & tempered, Cast Steel, Cast Gray Iron.

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