



TT131

Sintered Bronze Friction Material

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TT131 is a severe service high performance synthetic sintered metallic friction material that outperforms OE premium and aftermarket service heavy duty ceramic and semi-metallic pads. Excellent for wet running applications. TT131 advantages are derived from its ability to conduct heat away from the brake interface surface. The macrostructure of the matrix is designed for both brake pad and brake rotor durability. Excellent friction stability in high performance oils, and stable coefficient of friction under high load. Good wear resistance and high mechanical strength.

Friction Properties

Static Friction Coefficient: 0.10-13 \pm 0.05 μ
Dynamic Friction Coefficient: 0.8-12 \pm 0.05 μ
Max Dynamic Pressure: 7.0 N/mm² (1015 Lbf/in²)
Max Static Pressure: 25.0 N/mm² (3625 Lbf/in²)
Max Rubbing Speed: 25 m/s (82 Ft/sec)

Physical Properties

Tensile Strength: 6900 lbs.
Shear Strength: 6100 lbs.
Brinell Hardness: 50 HB
Fireproof

Thermal Properties

Contact ProTec

Material Type: Sintered Bronze Matrix

Appearance/Formats:

Clutches. Wet Friction. Brake Pads. Bonded Parts.
Oil grooves can be pressed or machined.

Applications

Differential Clutches.
High Load Clutches.

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

Additional

Recommended Mating Surfaces: Cast Iron with surface finish
< 0.5 μ m Ra (20 μ in 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