



G009

GRAPHITIC FRICTION MATERIAL

Material Description

G009 is a moulded graphite material with a high percentage of carbonaceous components that provide superior energy absorption.

- Outstanding thermal stability in high energy applications
- Stable coefficient of friction
- Good wear resistance

Typical Applications

- Heavy duty power shift clutches
- Wet brakes
- Transmissions

Average Friction Coefficient (wet)

- Static: 0.135 - 0.150
- Dynamic: 0.110 - 0.125

Mating Material

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

Recommended Max Load

- Dynamic pressure: 3.5 N/mm² (508 Lbf/in²)
- Rubbing speed: 35 m/s (115 Ft/sec)
- Specific power: 4.0 W/mm² (3.4 HP/in²)
- Energy capacity: 210 J/cm²

Oil Grooving

- Sunburst and Waffle grooves only
- Grooves are machined

Dimensions

- Friction thickness: Max 1.5 mm (0.060") to Min 0.50 mm (0.016")
- Friction diameter: Max 660 mm (26")

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

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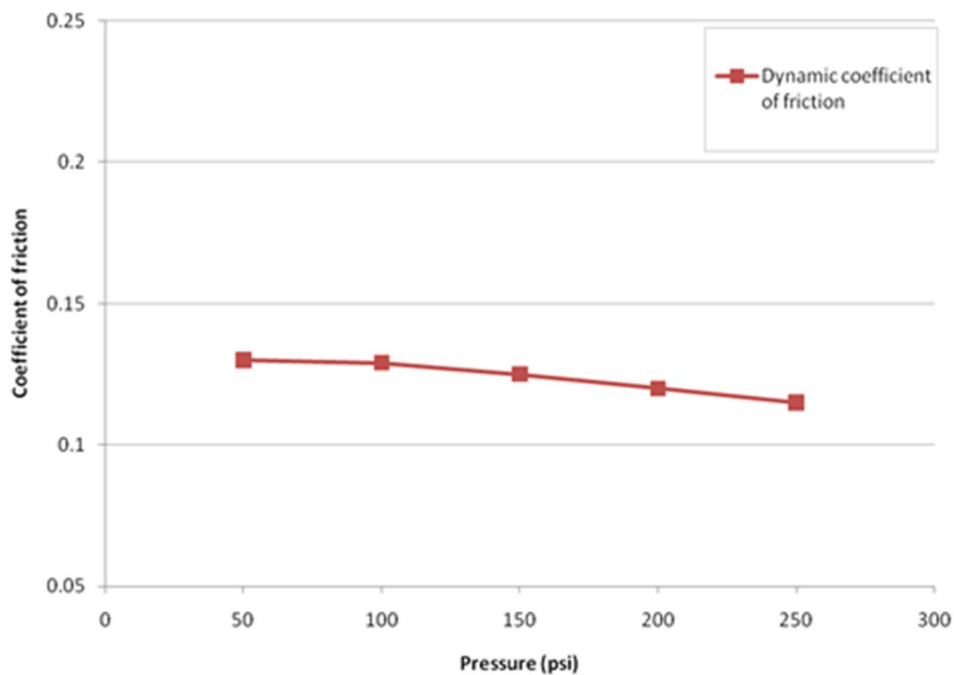


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DATA SHEET

Coefficient of friction vs pressure



Static to Dynamic Ratio vs Pressure

