PRODUCT DESCRIPTION

WCB 001 is a rigid molded Non-Asbestos, Graphitic material suitable for use in Medium Friction brake/clutch for industrial friction applications. WCB 001 is non-corrosive, smooth, non-abrasive and keeps the interface temperatures down on brakes. It can be molded into wide range of shapes and sizes to satisfy virtually all industrial applications.

CHARACTERISTICS
• Exceptional dimensional stability
• Extremely low noise operation
• Excellent Fade and Recovery
• High tensile strength

MECHANICAL PROPERTIES
Specific Gravity (SAE J380) : 1.50
Shore Hardness (ASTM D2240) : 72-75
Tensile Strength, PSI (ASTM D638) : 2100 min

FRICIONAL PROPERTIES
Coefficient of Friction (SAE J661):
  Normal* : 0.41
  Hot* : 0.40
Wear Rate (SAE J661) (inch³/hp-hr) : 0.001 max
Friction Code : FF
Maximum Operating Limits:
  Rubbing Speed** : 6000 fpm
  Pressure** : 2000 psi
  Drum Temperature for Constant Operation** : 400°F

SAE J661A TEST CURVES

*Note 1. – Friction values shown are for guide purposes only since values deviate with changes in temperature, pressure and speed. Practical design should include a 25 to 50 percent safety factor.
**Note 2. – Rubbing speed, drum temperature, and pressure are directly related. Changing any one value will change the others. The values shown represent typical conditions, but are not the ultimate limits of the material.