



Product Data Sheet: WCB 001

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

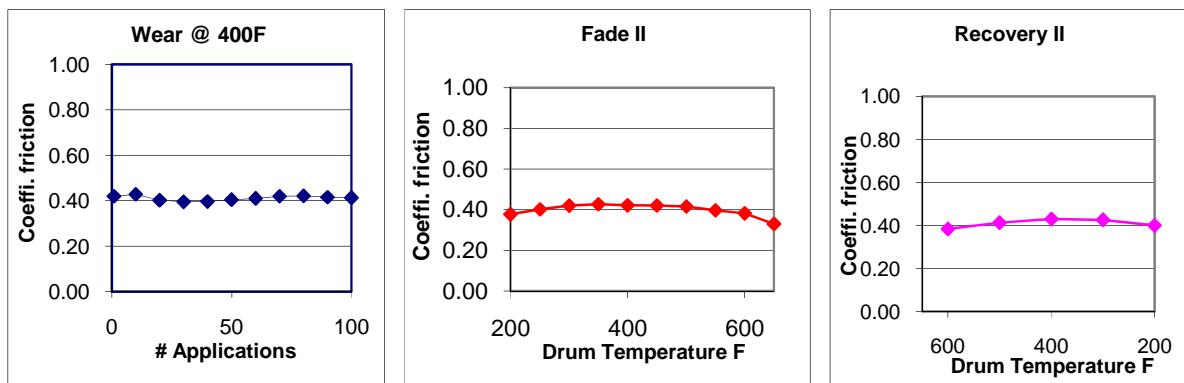
MECHANICAL PROPERTIES

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

FRICITIONAL 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.