Product Data Sheet: RF76

PRODUCT DESCRIPTION

RF76 is a rigid molded Non-Asbestos, Non metallic friction material suitable for use in High Friction brake/clutch applications. It exhibits excellent fade and recovery characteristics. RF76 can be molded into many intricate internal, external, and customer specified shapes.

CHARACTERISTICS

- Exceptional dimensional stability
- Good compressibility
- Excellent fade & recovery

MECHANICAL PROPERTIES

- Specific Gravity (SAE J380) : 2.0-2.1
- Gorgan Hardness (SAE J379A) : 23-27
- Tensile Strength, PSI (ASTM D638) : 2000 min

FRICTIONAL PROPERTIES

- Coefficient of Friction (SAE J661):
  Normal* : 0.60
  Hot* : 0.62
- Wear Rate (SAE J661) (inch³/hp-hr) : 0.015 max
- Friction Code : HH
- Maximum Operating Limits:
  Rubbing Speed** : 7500 fpm
  Pressure** : 2000 psi
  Drum Temperature for Constant Operation** : 600°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.