Product Data Sheet: RF 425

PRODUCT DESCRIPTION

RF 425 is a Non-Asbestos, Non-Metallic, Medium friction rigid molded material. The product has exceptional dimensional stability and can be molded into many intricate internal, external, and customer specified shapes. RF 425 is an excellent thermal and electrical insulator. It is recommended for use as insulating material or as in any medium friction application, including the most severe.

CHARACTERISTICS

- Excellent insulator
- Uniform friction
- Non-abrasive
- Premium life characteristics
- High corrosion resistance

MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 2.0-2.15
Gogan Hardness (SAE J379A) :15-35
Tensile Strength, PSI (ASTM D638) : 2182 min
Compressive Strength , PSI :8909 min.

FRICCTIONAL PROPERTIES

Coefficient of Friction (SAE J661):
  Normal* : 0.43
  Hot* : 0.41
Wear Rate (SAE J661) (inch³/hp-hr) : 0.005 max
Friction Code : FF
Maximum Operating Limits:
  Rubbing Speed** : 5000 rpm
  Pressure** : 200 psi
  Drum Temperature for Constant Operation** : 550°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.