

Product Data Sheet: RF 427

PRODUCT DESCRIPTION

RF 427 is a *Non-Asbestos, Non-Metallic, Medium friction* rigid molded material. The product has exceptional dimensional stability and can be molded into many intricate customer specified shapes. **RF 427 is an excellent thermal and electrical insulator.** It is recommended for use as insulating material or as in any medium friction application.

CHARACTERISTICS

- Excellent insulator
- High tensile strength
- Non-abrasive
- Premium life characteristics
- High corrosion resistance

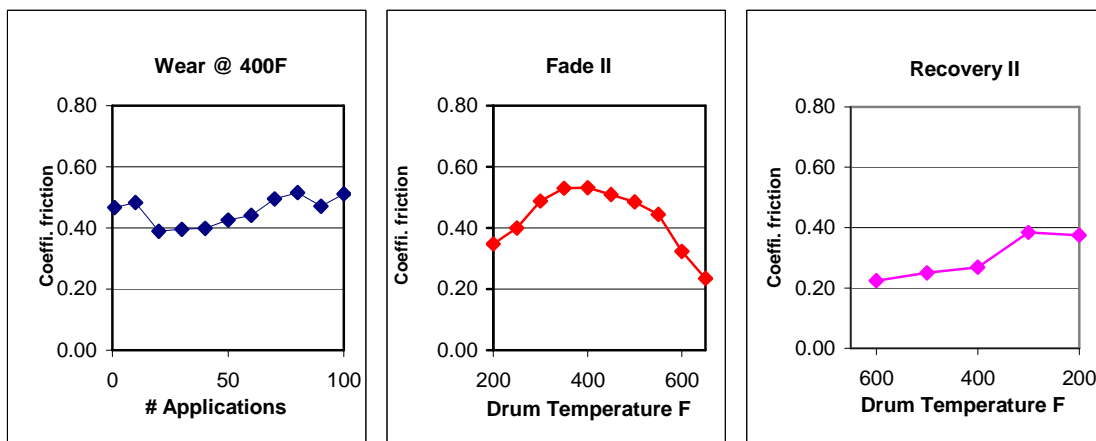
MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 1.89
 Gogan Hardness (SAE J379A) : 13-15
 Tensile Strength, PSI (ASTM D638) : 7500

FRICTIONAL PROPERTIES

Coefficient of Friction (SAE J661):
 Normal* : 0.44
 Hot* : 0.38
 Wear Rate (SAE J661)
 (inch³/hp-hr) :- 0.001_{max}
 Friction Code : FF
 Maximum Operating Limits:
 Rubbing Speed** : 7500 fpm
 Pressure** : 2000 psi
 Drum Temperature for
 Constant Operation** : 550°

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