



Product Data Sheet: RF 18

GENERAL DESCRIPTION

RF18 is a rigid molded *non-asbestos* friction material suitable for use in *Low Friction* brake/clutch applications such as in tensioning devices. RF 18 is smooth, extremely easy on the mating surfaces and keeps the interface temperatures down. RF 18 can be molded into many intricate internal, external, and customer specified shapes.

FEATURES

- Exceptional dimensional stability
- Extremely low noise operation
- Excellent corrosion resistance
- Non-Abrasive
- Excellent wear rate.

MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 1.77
 Gogan Hardness (SAE J379A) : 11-14
 Tensile Strength(ASTM D638) : 3120 psi (min)

FRICTIONAL PROPERTIES

Coefficient of Friction (SAE J661):
 Normal* : 0.20
 Hot* : 0.16

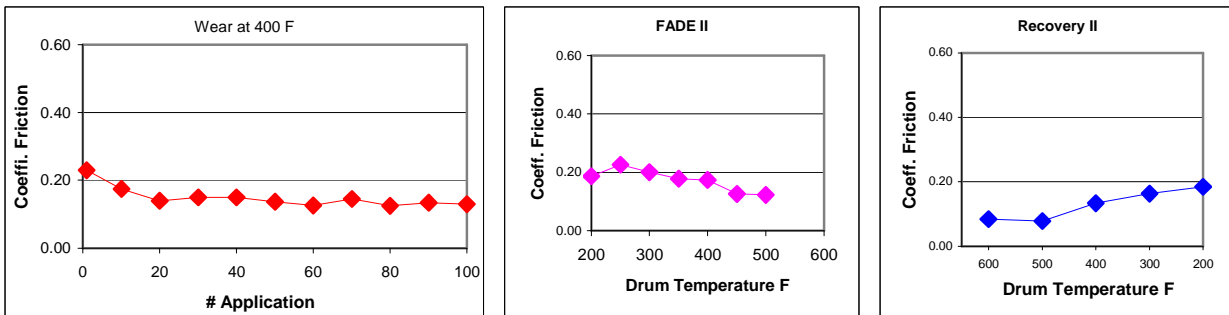
Wear Rate (SAE J661)
 (inch³/hp-hr) : 0.005_{max}

Friction Code : DD

Maximum Operating Limits:
 Rubbing Speed** : 7500 fpm
 Pressure** : 2000 psi

Drum Temperature for
 Constant Operation** : 650°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.