Product Data Sheet: RF 38

GENERAL DESCRIPTION

RF 38 is a rigid molded *Non-Asbestos, Metallic* friction material suitable for use in *Medium Friction* brake/clutch applications in a wide variety of equipments such as agricultural equipment, overhead cranes and heavy duty equipment. RF 38 is non-corrosive, non-abrasive and kind to mating surface. RF 38 can be molded into many intricate internal, external, and customer specified shapes.

FEATURES

- **Exceptional dimensional stability**
- **High compression strength**
- **Excellent corrosion resistance**
- **High Compressibility**
- **Excellent wear rate.**

PHYSICAL & MECHANICALPROPERTIES

Specific Gravity (SAE J380)	**: 2.06 -2.15**
Gogan Hardness (SAE J379A)	**: 19-23**
Tensile Strength(ASTM D638)	**: 2800 psi (min)**
Compressive Strength	**: 10369 psi (min)**

FRICTIONAL PROPERTIES

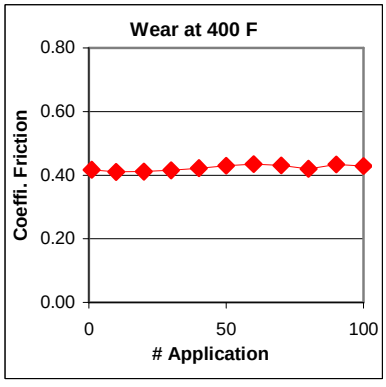
Coefficient of Friction (SAE J661):

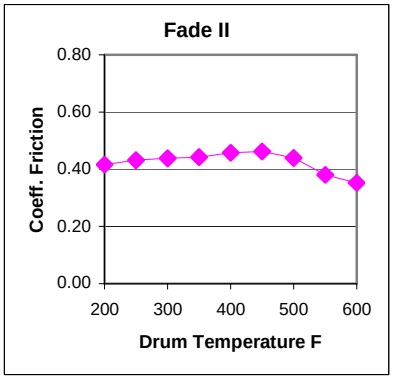
Normal*	**: 0.44**
Hot*	**: 0.40**
Wear Rate (SAE J661)	
(inch^3/hp-hr)	**: 0.005$_{max}$**
Friction Code	**: FF**

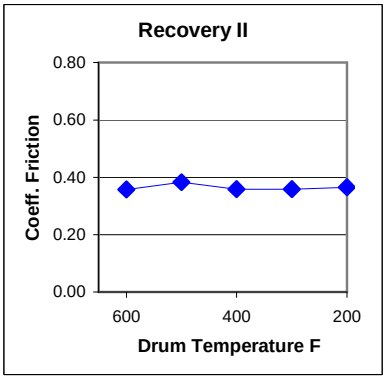
Maximum Operating Limits:

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.**