



# Product Data Sheet: RF 52

## PRODUCT DESCRIPTION

**RF 52** is a rigid molded friction material suitable for use in *High Friction* brake/clutch applications. This product features excellent fade resistance. RF 52 provides outstanding service on off-road drum/disc brakes, and as a holding brake on cranes, shovels, draglines, and winches. The product is easy on the wear surface. RF 52 can be molded into wide range of shapes and sizes to satisfy virtually all industrial applications.

## CHARACTERISTICS

- Excellent dimensional stability
- High fade resistance
- Excellent Recovery.
- Suitable for Dry & Wet applications

## MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 2.35 ± 0.015  
 Gogan Hardness (SAE J379A) : 20 Max  
 Tensile Strength (ASTM D638) : 2750 psi Min  
 Compressive Strength, PSI : 10062

## FRictionAL PROPERTIES

Coefficient of Friction (SAE J661):  
 Normal\* : 0.50 ± 0.05  
 Hot\* : 0.50 ± 0.05

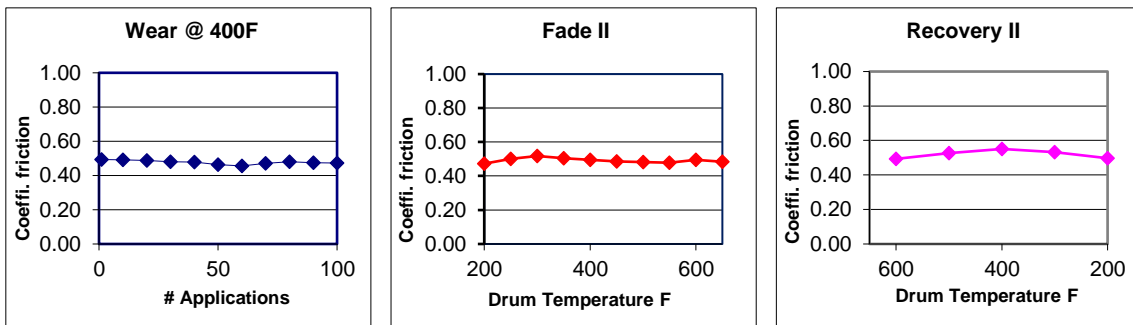
Wear Rate (SAE J661)  
 (inch<sup>3</sup>/hp-hr) : 0.010

Friction Code : GGs

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

Drum Temperature for  
 Constant Operation\*\* : 650°F

## SAE J661A TEST CURVES



The information presented in this datasheet provides general performance characteristics of the friction material compound under standard test conditions. Values shown are typical or represent average values from test samples. Friction material performance is application specific due to the geometry and conditions of the application, please use this as reference information only. No warranty can be made as to the suitability of this friction material for a specific application. For support with an application, please contact us to discuss your requirements.

\* Friction values shown are for guideline purposes only. Friction values will change with temperature, pressure and speed. Practical design considerations should include a factor of safety based on the specific application.

\*\* Maximum operating limits stated are interrelated. Changing any one value will change the maximum limit of the others.