



Product Data Sheet: RF 83

GENERAL DESCRIPTION

RF 83 is a rigid molded *non-asbestos, non-metallic* friction material suitable for use in *Medium Friction* brake/clutch applications. RF 83 is smooth, extremely easy on the mating surfaces. RF 83 can be molded into many intricate internal, external, and customer specified shapes.

FEATURES

- Good dimensional stability
- Low noise operation
- High Tensile Strength
- High Compressibility
- Excellent wear rate.

MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 1.43-1.54

Gogan Hardness (SAE J379A) : 55-58

Tensile Strength(ASTM D638) : 3380 psi

FRICITIONAL PROPERTIES

Coefficient of Friction (SAE J661):

Normal* : 0.42
Hot* : 0.19

Wear Rate (SAE J661)

(inch³/hp-hr) : 0.004

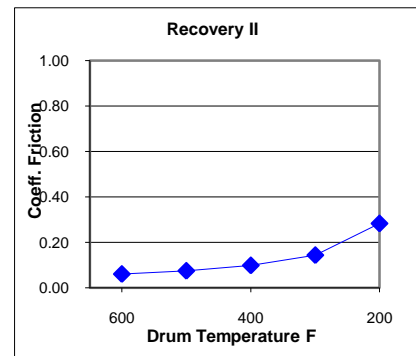
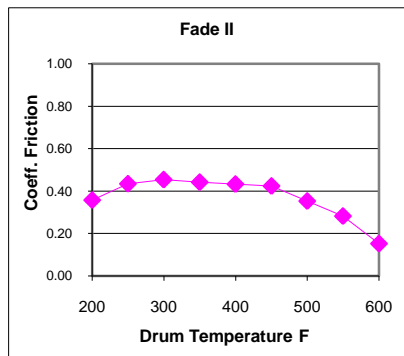
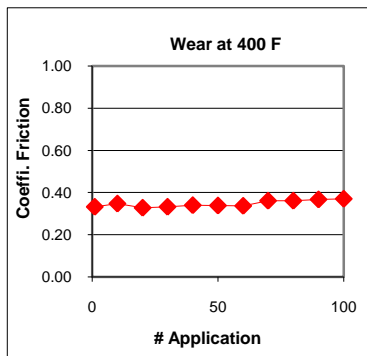
Friction Code : FD

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.