



Product Data Sheet: GL

PRODUCT DESCRIPTION

Gemini GL is a rigid molded *Non-Asbestos, Non-Metallic* friction material suitable for use in **Low Friction** brake/clutch applications in a wide variety of equipments. It has exceptional dimensional stability. GL is smooth, extremely easy on the mating surfaces and keeps the interface temperatures down. Gemini can be molded or readily machined into wide range of shapes and sizes to satisfy virtually all industrial applications.

CHARACTERISTICS

- Excellent dimensional stability
- Excellent fade resistance
- Good recovery
- Non-Abrasive
- Extremely low noise operation
- Excellent wear rate

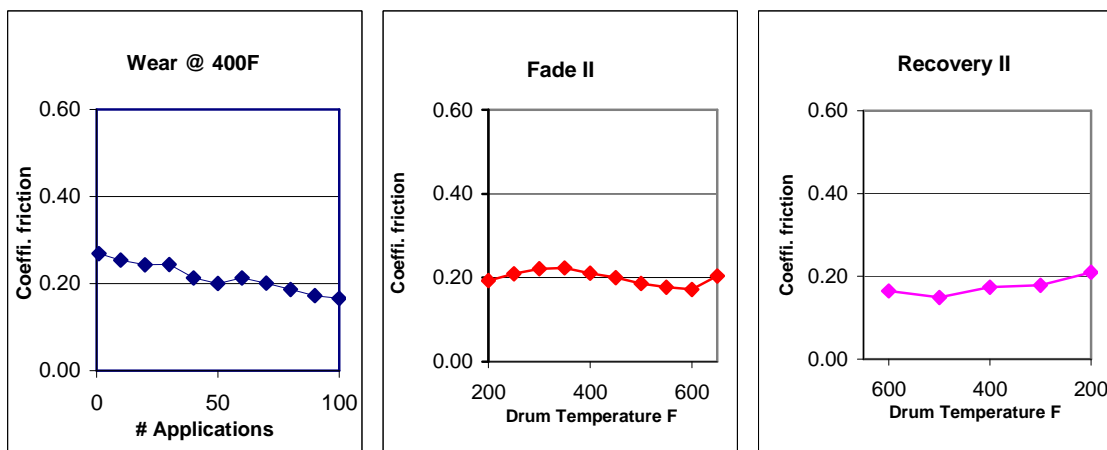
MECHANICAL PROPERTIES

Specific Gravity (SAE J380) :1.82
 Gogan Hardness (SAE J379A) :24-25
 Tensile Strength, PSI (ASTM D638) :2700_{min}

FRICTIONAL PROPERTIES

Coefficient of Friction (SAE J661):
 Normal* : 0.21
 Hot* : 0.18
 Wear Rate (SAE J661)
 (inch³/hp-hr) : 0.003_{max}
 Friction Code : DD
 Maximum Operating Limits:
 Rubbing Speed** : 7500 fpm
 Pressure** : 2000 psi
 Drum Temperature for
 Constant Operation** : 650°F

SAE J661 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.