



Product Data Sheet: Gemini Woven

PRODUCT DESCRIPTION

Gemini woven is a *Non-Asbestos* woven product for heavy-duty industrial applications. It exhibits nearly constant friction level up to 500 °F. It also shows full recovery by 400 °F. Gemini can be used on wet/ dry band brakes for industrial use where medium to high friction is required. The product is available in roll form, flat sheet, and custom shapes.

CHARACTERISTICS

- High Static friction
- Uniform friction
- Non-ferrous metallic
- Immediate and complete recovery
- Good wear rate

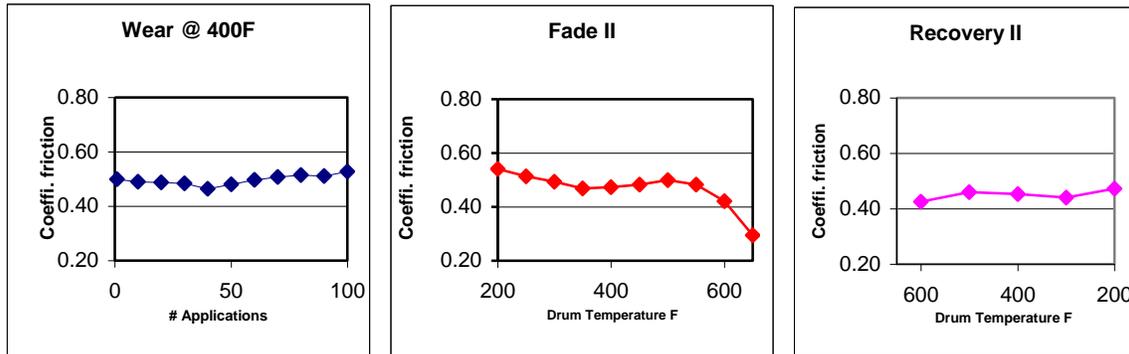
MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 1.12
 Tensile Strength, PSI (ASTM D638) : 1500

FRICTIONAL PROPERTIES

Coefficient of Friction (SAE J661):
 Normal* : 0.51
 Hot* : 0.44
 Wear Rate (SAE J661)
 (inch³/hp-hr) : 0.005
 Friction Code : GF
 Maximum Operating Limits:
 Rubbing Speed** : 5000 fpm
 Pressure** : 200 psi
 Drum Temperature for
 Constant Operation** : 550°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.