



## Product Data Sheet: Woven Brake Lining- “A-Block”

### PRODUCT DESCRIPTION

The woven “A-Block” material is a premium non-asbestos brake lining developed especially for oil field use on draw-works, well servicing and drilling rigs. Extensive field evaluations confirm that this product provides outstanding performance in this demanding application area. It exhibits smooth, long lasting trouble-free service with excellent burnishing or bedding-in properties with reduced abrasion for increased rim life. This premium performance material is available in the form of custom sized slabs or rolls.

### CHARACTERISTICS

- Excellent burnishing property
- Uniform friction
- Non-abrasive
- Premium life characteristics
- High tensile strength

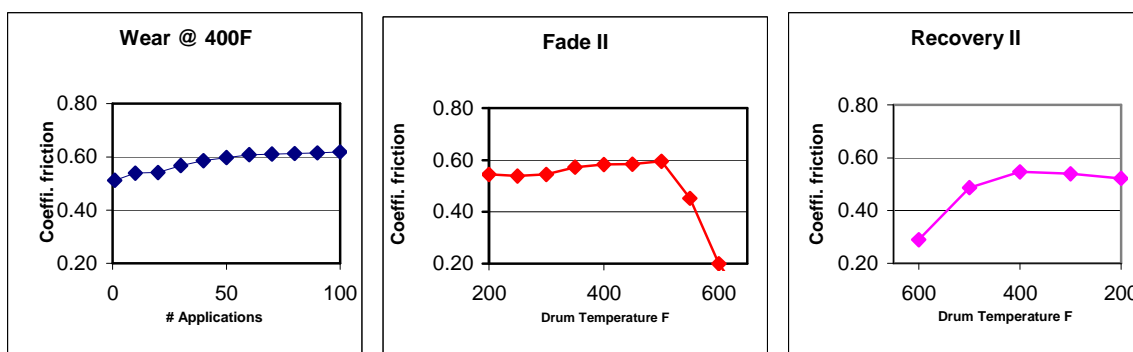
### MECHANICAL PROPERTIES

Specific Gravity (SAE J380) : 1.23  
Tensile Strength, PSI (ASTM D638) : 1500<sub>min</sub>

### FRICTIONAL PROPERTIES

Coefficient of Friction (SAE J661):  
Normal\* : 0.50  
Hot\* : 0.41  
Wear Rate (SAE J661)  
(inch<sup>3</sup>/hp-hr) : 0.006<sub>max</sub>  
Friction Code : GF  
Maximum Operating Limits:  
Rubbing Speed\*\* : 5000 fpm  
Pressure\*\* : 200 psi  
Drum Temperature for  
Constant Operation\*\* : 550°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.