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PRODUCT DATA SHEET **FRICTION MATERIAL – SS 1000**

PRODUCT DESCRIPTION

Semi-rigid woven friction material, composed of mixed fiberglass and synthetic/natural fibers with brass wire inserts to improve its strength and heat dissipation properties.

The impregnating agent has been specially developed to give it good friction properties combined with a good degree of flexibility.

It is recommended for oil-immersed applications. To facilitate installation on brake shoes and bands, it can be softened and made more flexible by heating it in an oven at 130–150°C for long enough for the heat to penetrate the brake material.

APPLICATIONS

Ideal for light and heavy duty applications, with contact surfaces in steel and cast iron for use in cranes, winches, forklifts, transport machinery, among others. It is resistant to oil and grease.

AVAILABILITY

	<u>ROLLS</u>	<u>SHEETS</u>
Thicknesses	0.125 to 1.25" (3.2mm to 32mm)	
Widths	1 1/2" to 20" (38.1mm to 510mm)	Max. 26" (660mm)
Length	According to your request	

PHYSICAL PROPERTIES

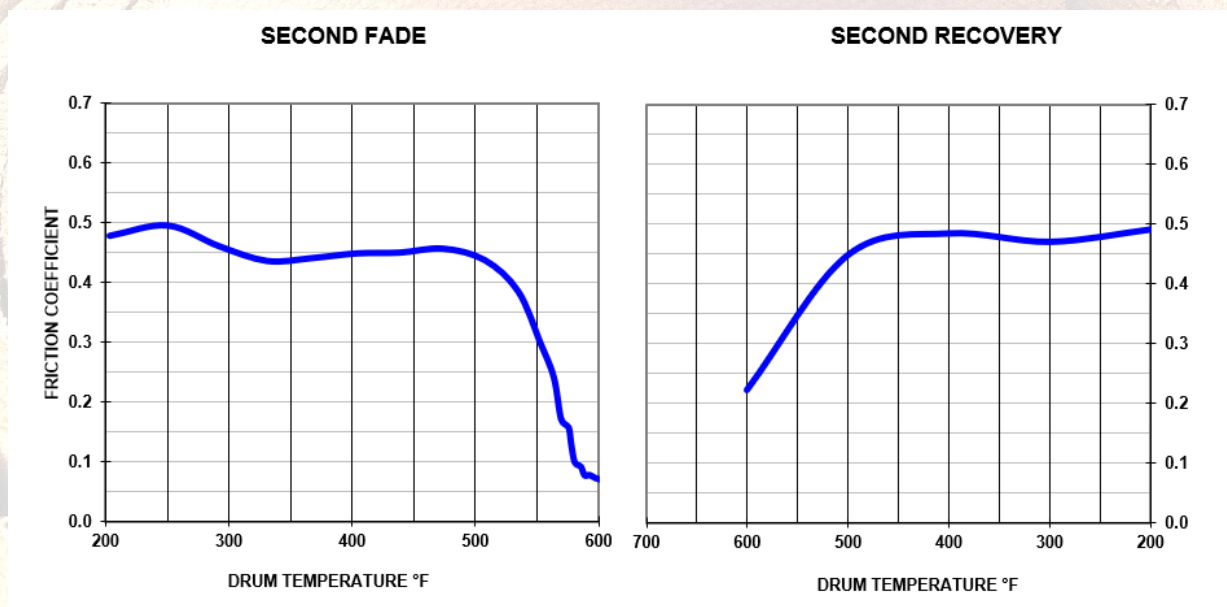
Maximum tensile strength	34.0 N/mm ² (4930 psi)
Maximum shear strength	27.0 N/mm ² (4017 psi)
Maximum compressive strength	137 N/mm ² (19870 psi)
Specific gravity	1.20
Wear index	0.004 In ³ /hp-hr.

TECHNICAL DATA

Coefficient of friction	Normal	0.50 (G)
	Hot	0.42 (F)

Recommended operating range

Maximum pressure	280 psi
Maximum continuous temperature	180 °C (350 °F)
Intermittent maximum temperature	260 °C (500 °F)
Maximum friction speed	25 m/s (5000 ft/min)



The information and data supplied in this data sheet are believed to be accurate and reliable and were obtained from standard laboratory tests.