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PRODUCT DATA SHEET **FRICITION MATERIAL - LG 4020**

PRODUCT DESCRIPTION

LG 4020 is a closely woven, semi-rigid friction material. It is based on a yarn formed from a blend of glass and synthetic fibres, together with brass wire to enhance its strength and heat dissipation properties.

The impregnant has been specially developed to give it good frictional properties combined with a fair degree of flexibility.

It is recommended for operation in oil immersed applications. To help during fitting to brake shoes and bands it can be softened and made more pliable by warming in a bonding oven to between **130 & 150 °C** for sufficient time for the heat to penetrate the fabric.

APPLICATIONS

LG 4020 is aptly suited for light to heavy duty service with quality steel & cast-iron mating surfaces in winches, cranes, hoists, etc. Industrial drum and band brake linings, mine winder brake linings. It is oil and grease resistant.

AVAILABILITY

	<u>ROLLS</u>	<u>SHEETS</u>
Thickness range	1/8" to 1.1/4" (3.2mm to 31.75mm)	
Width	1 1/2" to 20" (38.1mm to 508mm)	Max. 26" (660mm)
Length	Customer requirement	

PHYSICAL PROPERTIES

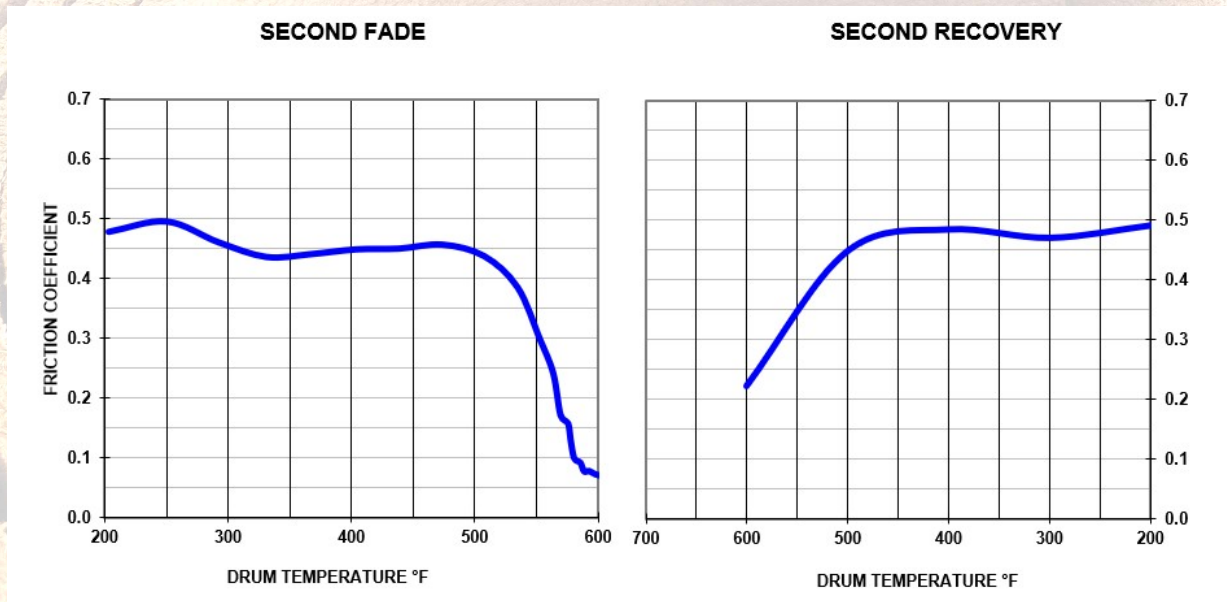
Ultimate tensile strength	31.0 MN/m ² (4,500 lbf/in ²)
Ultimate compressive strength	5.2 MN/m ²
Ultimate shear strength	43.4 MN/m ² (6,300 lbf/in ²)

TECHNICAL DATA

Friction	Normal	0.50
	Hot	0.42

Recommended Operating Range

Pressure	Dynamic	70 – 1,400 kN/m ²
	Static	70 – 3,500 kN/m ²
Max. continuous temperature		180 °C
Max. intermittent temperature		250 °C
Max. rubbing speed		18 m/s



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