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PRODUCT DATA SHEET **FRICITION MATERIAL - HD 010**

PRODUCT DESCRIPTION

HD 010 is a closely woven, semi-rigid friction material, brown in colour. 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

HD 010 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	0.125 to 1.25" (3.2mm to 31.75mm)	
Width	1 1/2" to 20" (38.1mm to 508mm)	Max. 26" (660mm)
Length	Customer requirement	

PHYSICAL PROPERTIES

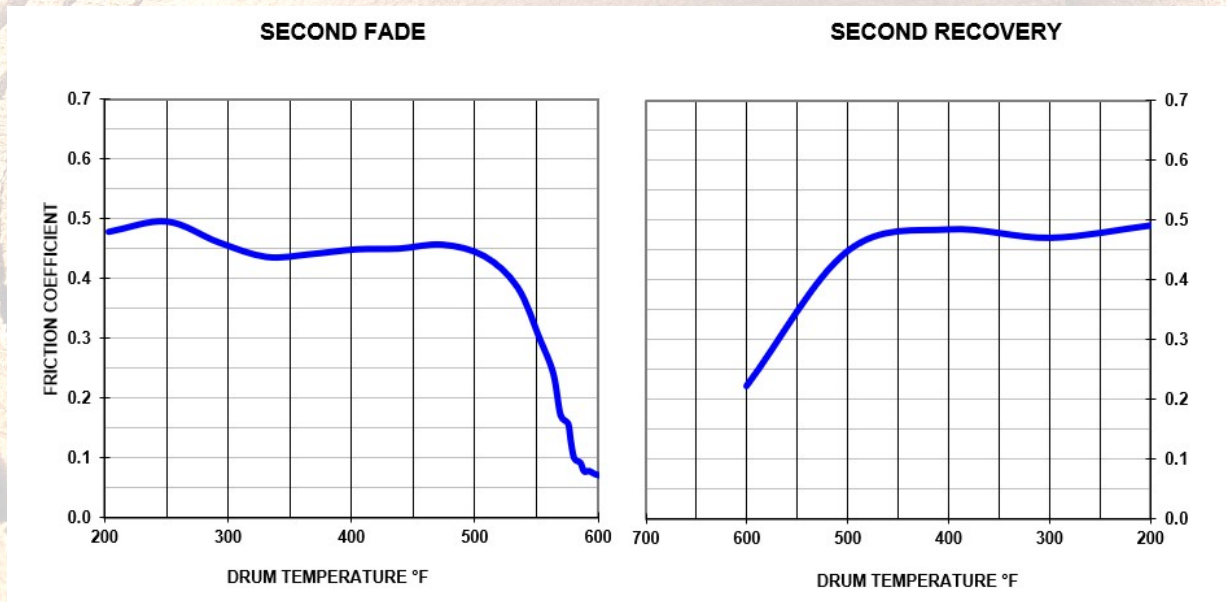
Ultimate tensile strength	27.0 MN/m ² (3,900 lbf/in ²)
Ultimate compressive strength	133 MN/m ²
Ultimate shear strength	12.0 MN/m ² (1,740 lbf/in ²)
Rivet holding capacity	90.0 MN/m ²

TECHNICAL DATA

Friction	Normal	0.50
	Hot	0.38

Recommended Operating Range

Pressure	Dynamic	70 – 700 kN/m ²
	Static	70 – 2,450 kN/m ²
Max. continuous temperature		200 °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