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PRODUCT DATA SHEET **FRICTION MATERIAL – HD/M750**

PRODUCT DESCRIPTION

It is a semi-rigid, tightly woven friction material composed of mixed fiberglass and synthetic/natural fibers reinforced with a high percentage of brass threads to improve durability, strength, and heat dissipation properties. The impregnating agent has been specially formulated to provide excellent friction characteristics combined with a good degree of flexibility for use under severe operating conditions.

To facilitate its installation on brake shoes and bands, it can be softened and made more flexible by heating it in an oven between 130 and 150 °C for a sufficient time for the heat to penetrate the brake. It is highly sought after in industrial applications that demand superior braking performance.

APPLICATIONS

Ideal for applications ranging from light to heavy-duty on equipment such as winches, cranes, and hoists, where compatibility with steel and cast-iron contact surfaces is required. It is suitable for industrial drum and band brake linings, as well as brake linings in mining machinery. 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

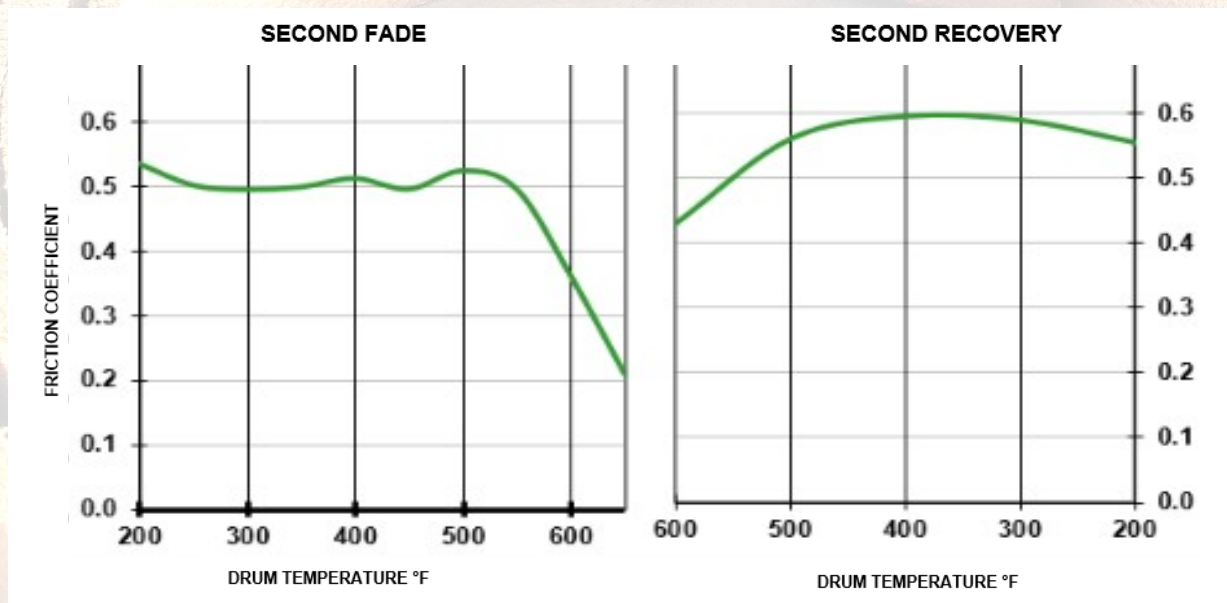
Maximum tensile strength	34.0 N/mm ² (4930 psi)
Maximum shear strength	27.0 N/mm ² (4017 psi)
Maximum compressive strength	137 N/mm ² (19870 psi)
Specific gravity	1.30
Wear index	0.004 In ³ /hp-hr.

TECHNICAL DATA

Coefficient of friction	Normal	0.54 (G)
	Hot	0.50 (G)

Recommended operating range

Maximum pressure	300 psi
Maximum continuous temperature	200 °C (400 °F)
Intermittent maximum temperature	300 °C (580 °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.