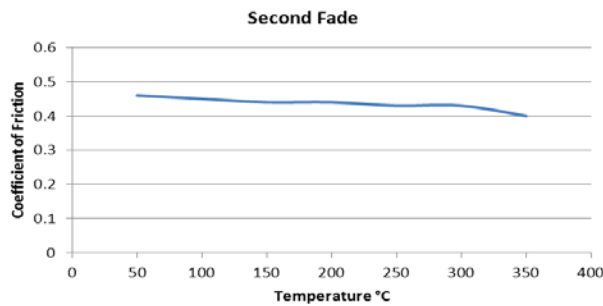


**PRODUCT DATA SHEET**

**TRIMAT MR2215**



**Material Description:**

MR2215 has been developed for automotive brake lining, industrial brakes, cranes and excavators band brake linings. It is a flexible moulded product having a non-asbestos basis of fibres in random dispersion. Selected friction modifiers are bound by a specifically developed rubber/resin binder system that has a major influence in determining both the friction performance characteristics and strength of material.

Available in either roll or strip form, MR2215 is sufficiently flexible to make fitting to curved metal parts a relatively simple operation, after which the heat generated during bonding will increase the material strength and hardness. Alternatively, MR2215 can be formed to a rigid lining prior to fitting by curing in an oven at a temperature of at least 180°C for a period of not less than 60 minutes.

**Technical Details:**

Property	Typical Values	
Coefficient of Friction (dynamic)	0.42	
Wear Rate	22 mm <sup>3</sup> /MJ	(0.0036 in <sup>3</sup> /hp.hr)
Specific Gravity	2.00	
Shore D Hardness (as supplied)	<65	
Shore D Hardness (cured)	70+	
Ultimate Tensile Strength (cured)	15 N/mm <sup>2</sup>	(2175 psi)
Ultimate Shear Strength (cured)	15 N/mm <sup>2</sup>	(2175 psi)
Ultimate Compressive Strength (cured)	75 N/mm <sup>2</sup>	(10875 psi)

**Recommended Operating Range:**

Maximum Intermittent Temperature	325°C	(617°F)
Maximum Continuous Temperature	250°C	(482°F)
Recommended Operating Pressure	0.07 - 1.5 N/mm <sup>2</sup>	(10 – 218 psi)
Maximum Rubbing Speed	25 m/s	(5000 ft/min)

**Recommended Mating Surfaces:**

Close grained cast iron, forged or cold rolled steel should be 180 Brinnell or over.

**Available Sizes:**

Nominal Roll Lengths	5 metres (16.4 ft)
Thickness	3mm (1/8") to 12.5mm (1/2")
Width	up to 220mm (8 1/2")



*NOTE:* There is no standard test procedure for industrial Friction Materials, therefore it could be misleading to compare different manufacturers test results. The Co-efficient of Friction/Temperature Graph illustrated, should be used for comparison of the various Trimat qualities only.

All data displayed is derived from product testing in a range of typical operating parameters, users are encouraged to independently qualify the material performance as suitable for their own specific requirements