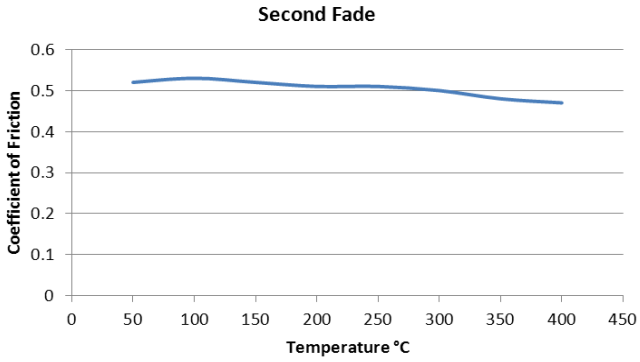
PRODUCT DATA SHEET

TRIMAT MN1130



Material Description:

MN1130 is a rigid moulded friction material, having a non-asbestos base of glass and synthetic fibres in random dispersion. It contains a blend of carefully selected friction modifiers bound together with a specifically developed resin, which contributes to both strength and frictional characteristics.

This material has a high friction level and displays good coefficient of friction stability over a wide range of operating temperatures.

MN1130 has a balanced range of properties when considering such features as fade resistance, kindness to brake drum surfaces and wear resistance.

Technical Details:

Property	**Typical Values**	
Coefficient of Friction (dynamic)	0.51	
Wear Rate	33 mm^3/MJ	(0.0054 in^3/hp.hr)
Specific Gravity	1.85	
Ultimate Tensile Strength	20 N/mm²	(2900 psi)
Ultimate Shear Strength	16 N/mm²	(2320 psi)
Ultimate Compressive Strength	100 N/mm²	(14500 psi)

Recommended Operating Range:

Maximum Intermittent Temperature	350°C	(660°F)
Maximum Continuous Temperature	300°C	(570°F)
Pressure*	0.07-2.0 N/mm²	(10-290 psi)
Maximum Rubbing Speed	25 m/s	(5000 ft/min)

** A pressure up to 8 MPa is acceptable in static applications*

Recommended Mating Surfaces:

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

Available Sizes:

Standard Sheet Size:	600mm x 600mm
Thickness:	5.0mm (3/16”) to 37.5mm (1½”)

Note: Mouldable to special shapes at request of customer.

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.

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