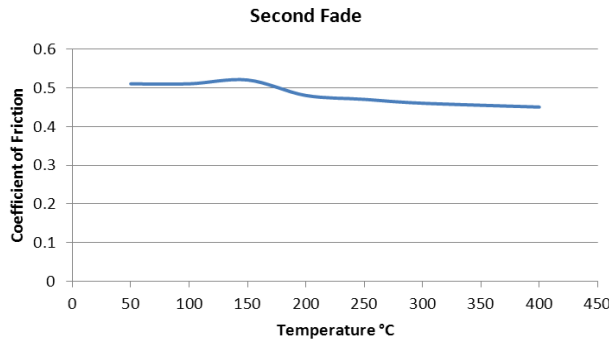


PRODUCT DATA SHEET

TRIMAT MN1050



Material Description:

MN1050 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 medium/high friction level and displays good coefficient of friction stability over a wide range of operating temperatures.

MN1050 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 Value	
Coefficient of Friction (dynamic)	0.44	
Wear Rate	42 mm ³ /MJ	(0.0069 in ³ /hp.hr)
Specific Gravity	2.05	
Rockwell Hardness (as supplied)	85 R Scale	
Ultimate Tensile Strength (cured)	16 N/mm ²	(2320 psi)
Ultimate Flexural Strength (cured)	35 N/mm ²	(5075 psi)

Recommended Operating Range:

Maximum Intermittent Temperature	400°C	(750°F)
Maximum Continuous Temperature	300°C	(570°F)
Pressure	0.07-2.0 N/mm ²	(10-290 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:

Standard Sheet Size:	600mm (23.6") x 600mm (23.6")
Thickness:	5.0mm (3/16") to 50mm (2")

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.

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