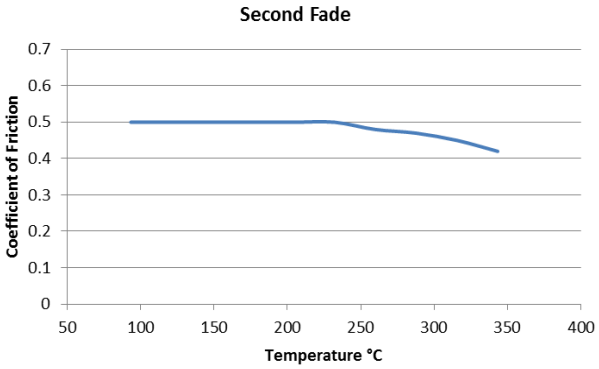
PRODUCT DATA SHEET

TRIMAT MN2001



Material Description:

Trimat MN2001 is a rigid, non-asbestos, friction material with mineral ingredients, compounded with special resin and synthetic rubber.
Trimat MN2001 has a high/medium friction level and is characterized by excellent stability and wear resistance, especially suitable for electromagnetic brake and clutch applications.

Technical Details:

Property	**Typical Values**	
Coefficient of Friction (SAE J661)	0.50 (GF)	
Wear Rate (SAE J661)	32 mm^3/MJ	(0.0053 in^3/hp.hr)
Specific Gravity	1.98	
Ultimate Tensile Strength	8 N/mm²	(1160psi)
Ultimate Compressive Strength	68 N/mm²	(9862 psi)

Recommended Operating Range:

Maximum Intermittent Temperature	350 °C	(662°F)
Maximum Continuous Temperature	250 °C	(482°F)
Maximum Pressure	3.0 N/mm²	(290 psi)
Maximum Rubbing Speed	30 m/s	(5000 ft/min)

Recommended Mating Surfaces:

Close grained cast iron (180 Brinnell or over); forged or cold rolled steel (200 Brinnell or over).

Available Sizes:

The material can be supplied to drawing as a finished brake component, or as part of a bonded or integrally moulded assembly complete with carrier plate.

It is also available in standard sheets for machining locally.

Standard sheet size:	600 x 600mm
Thickness:	5.0mm (3/16”) to 37.5mm (1 ½”)

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

Date of Publication: February 2016

Revised:
Issue 1