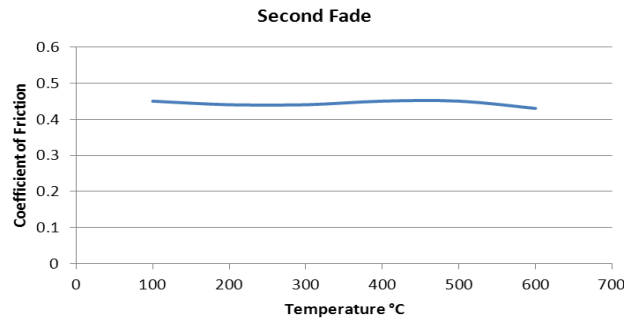


PRODUCT DATA SHEET

TRIMAT MN1081



Material Description:

MN1081 is a rigid moulded friction material, having a non-asbestos base of steel and non-ferrous filaments 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. Especially suited to heavy-duty disc brake applications.

MN1081 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)	0.42 (medium duty)	
Coefficient of Friction (dynamic)	0.30 (heavy duty)	
Wear Rate	90 mm ³ /MJ	(0.0148 in ³ /hp.hr)
Specific Gravity	3.00	
Ultimate Shear Strength (cured)	10.0 N/mm ²	(1450 psi)
Ultimate Compressive Strength (cured)	62.0 N/mm ²	(8990 psi)

Recommended Operating Range:

Maximum Intermittent Temperature	650°C	(1200°F)
Maximum Continuous Temperature	250°C	(480°F)
Pressure	0.40-5.2 N/mm ²	(58 – 754 psi)
Maximum Rubbing Speed	60 m/s	(12000 ft/min)

Recommended Mating Surfaces:

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

Available Sizes:

The material can be supplied to drawing as part of a bonded or integrally moulded brake component complete with backing plate, or as a finished brake pad ready for assembly. It is also available in standard sheets for machining locally.

Standard sheet size:	200 x 120mm
Thickness:	5.0mm (3/16") to 37.5mm (1 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.