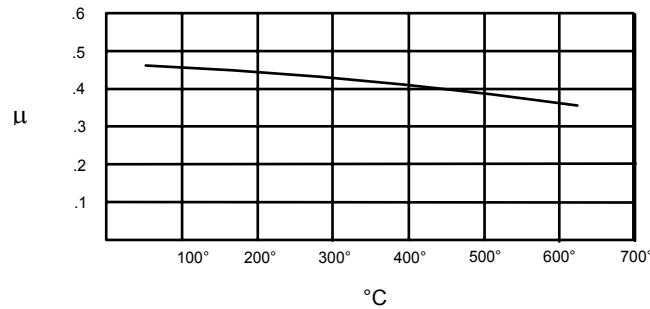


PRODUCT DATA SHEET
TRIMAT MN1080



Material Description:

MN1080 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.

MN 1080 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	600°C	(1112°F)
Maximum Continuous Temperature	350°C	(660°F)
Pressure	0.40-5.0 N/mm ²	(60 – 725 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:

Maximum Sheet Size:	405mm (16") x 405mm (16")
Thickness:	10.0mm (3/8" to 38mm (1 1/2"))

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.