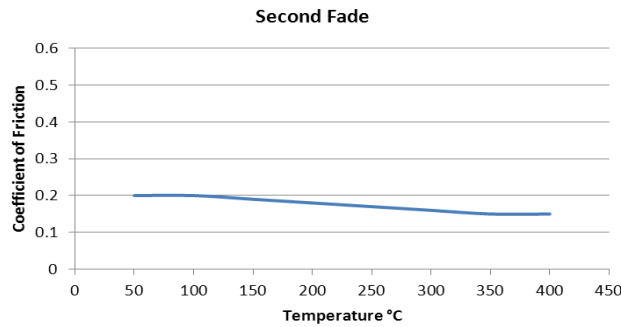


PRODUCT DATA SHEET

TRIMAT MN1042



Material Description:

Trimat MN1042 is a rigid fully moulded non-metallic non-asbestos material based on random dispersion of organic and inorganic fibres together with friction modifiers and a special phenolic resin.

It has a low friction characteristic and was developed specifically for use on applications where a smooth and noise free operation is required. This material offers excellent wear resistance and is kind to mating surfaces.

A very versatile material suitable for industrial clutch and brake applications where a low friction and smooth operation is required.

Technical Details:

Property	Typical Values	
Coefficient of Friction (dynamic)	0.15	
Wear Rate	40 mm ³ /MJ	(0.0066 in ³ /hp.hr)
Specific Gravity	1.90	
Hardness (Rockwell R Scale)	80	
Ultimate Tensile Strength	24.5 N/mm ²	(2553 psi)
Ultimate Shear Strength	28.0 N/mm ²	(4060 psi)
Ultimate Compressive Strength (cured)	110.0 N/mm ²	(15950 psi)

Recommended Operating Range:

Maximum Intermittent Temperature	350°C	(660°F)
Maximum Continuous Temperature	175°C	(350°F)
Maximum Pressure	2.0 N/mm ²	(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:

Flat sheets 600 x 600mm are available in thicknesses 3mm (1/8") to 50mm (2") from which rings and segments can be readily cut or machined to size. Fully moulded components can also be manufactured.



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.