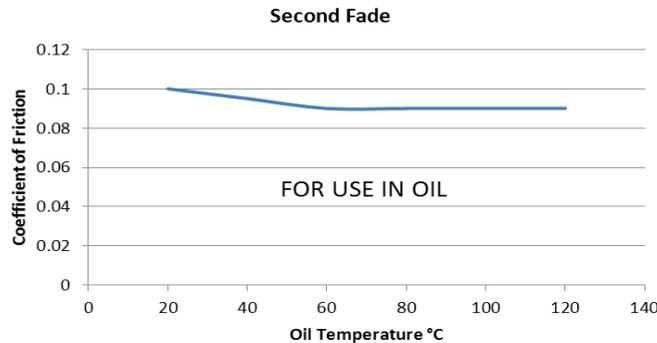


PRODUCT DATA SHEET

TRIMAT TBC-1



Material Description:

Trimat TBC - 1 is a semi-flexible asbestos-free brake lining, manufactured from a solid woven fabric of high temperature synthetic yarns with a brass wire inclusion, which helps to stabilise the friction value by conducting heat from the operating surface. The woven fabric is impregnated with a specially developed synthetic resin giving a friction material with excellent stability and a high resistance to wear and oil. Reduced wear has resulted in improvements in lining life and a reduction in oil contamination. Both surfaces can be supplied ground and is suitable for bonding and riveting.

Application:

Oil immersed industrial clutches, drum brakes, band linings and segments for Automatic and Semi-Automatic transmissions.

Technical Details:

Property	Typical Values
Coefficient of Friction (dynamic in oil)	0.09
Wear Rate (in oil)	6.8 mm ³ /MJ (0.0011 in ³ /hp.hr)
Bulk Density	1.22 g/cm ³

Recommended Operating Range:

Maximum Intermittent Temperature *	400°C	(750°F)
Maximum Continuous Temperature *	300°C	(570°C)
Maximum Pressure	2.5 N/mm ²	(363 psi)
Maximum Rubbing Speed	25 m/s	(5000 ft/min)

* The temperature capability of the material is way above that normally recommended for the oils generally used in oil-immersed applications.

Recommended Mating Surfaces:

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

Available Sizes:

Supplied in roll form, cut and shaped linings

Nominal Roll Lengths:	10 metres (33ft)
Thickness:	2.0mm (0.08") to 8.0mm (0.313")
Width:	up to 215mm (8.5")



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.

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