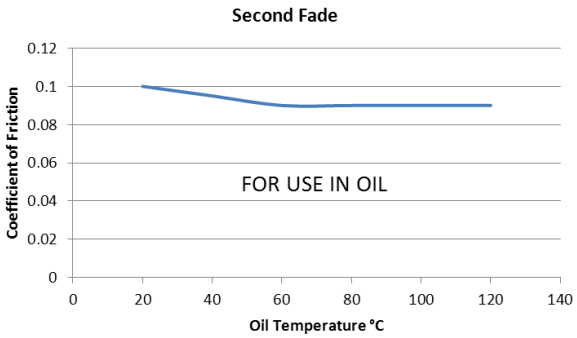
PRODUCT DATA SHEET

TRIMAT TNC



Material Description:

Trimat TNC is a flexible asbestos-free brake lining, manufactured from a solid woven fabric of high temperature synthetic yarns. 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. Where heavier duties are likely or thicker section linings are required then Trimat TBC-1 is recommended.

Application:

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

Technical Details:

Property	**Typical Value**
Coefficient of Friction (dynamic in oil)	0.08
Wear Rate (in oil)	4.0 mm^3/MJ
Bulk Density	0.90 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”)
Width:	up to 105mm (4”)

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.

Date of Publication: July 2002 **Revised: January 2005**