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ID Material:
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Revision: 7
Date: 4/9/19

TFV2000R

THERMOFIBER 2000VR is an upgrade to the popular TF2000 that performs well in difficult high temperature applications. The resin/friction formula has been modified to reduce organic content to provide improved wear rate, temperature resistance and friction stability and wear rate.
THERMOFIBER 2000VR has glass fiber reinforced yarn and is spiral wound with a fine copper core - producing a strong base with good heat transfer property. Additional proprietary yarns increase the mechanical strength and burst resistance by 20%.
THERMOFIBER 2000VR is ideally suited for industrial clutches, agriculture and construction equipment, and torque limitors.

Material Data

Friction Properties (according to graphics)

Static Friction Coefficient (15bar, from box):	0.50±0.05	µ
Static Friction Coefficient (15bar, 100oC):	0.46±0.05	µ
Dynamic Friction Coefficient:	0.50±0.05	µ
Wear Rate:	30 (at 302 °F)	mm^3/kwh
T° Fading:	>662	°F

Physical Properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792):	2.10±0.10	gr/cm3
Ignition Loss (ASTM D7348):	2±0.2	%
Acetone Extraction (ASTM D494):	30±0.2	%

Mechanical Properties

Compressive Strength (ISO 844:2014):	120±5	N/mm^2
Burst Resistant (200 x 137 x 3,5) 392°F:	13500±100	RPM

Recommended Working Values

T° Max. Continuous Operation:	482	°F
T° Max. Intermittent Operation:	662	°F

Material Type : Woven yarn

Appearance / Formats



Rings

Applications

Agricultural and bulding machinery - Industrial clutches - Torque limitator -

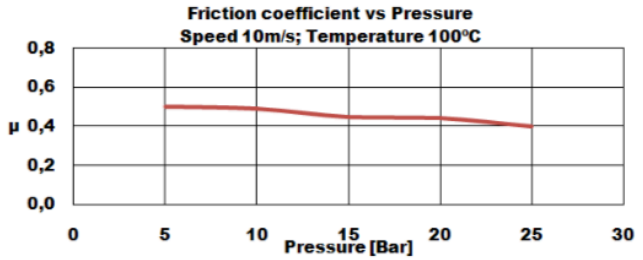
Price Level : $ $ $ $

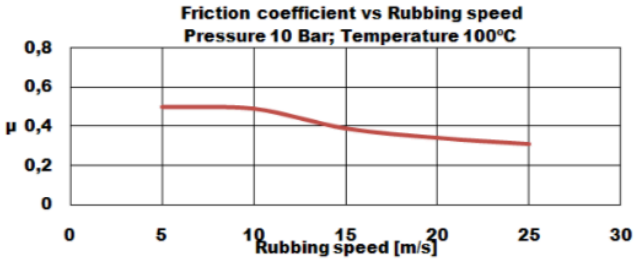
Reach (EC) 1907/2006 - RoHS 2011/65/EU : Compliance

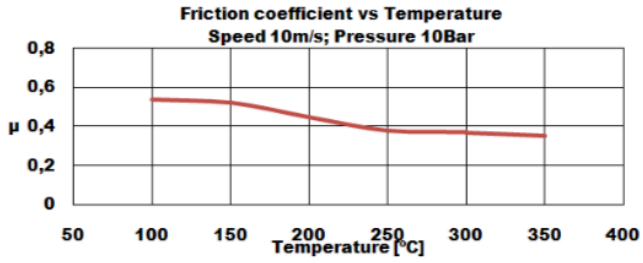
Others

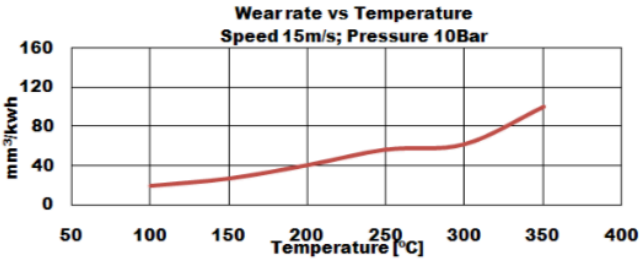
Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive
Oil Resistant:	Yes

The above data is taken from specific test parameters therefore results can vary in different application conditions









Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.