45 Kensico Drive
Mt. Kisco, NY 10549
T. 914-244-3600
E. answers@protecfriction.com
www.protecfriction.com

ID Material:
R. Antich
Revision: 7
Date: 4/9/19

TF2020

THERMOFIBER 2020 qualifies as OE-certified material. The tight-woven structure delivers uniformly excellent performance in burst and durability values.
THERMOFIBER 2020 is recommended for heavy-duty automotive, truck and industrial applications.

Material Data

Friction Properties (according to graphics)

Static Friction Coefficient (15bar, from box):		
Static Friction Coefficient (15bar, 100°C):		
Dynamic Friction Coefficient:	0.38±0.05	μ
Wear Rate:	30 (at 302 °F)	mm^3/kwh
T° Fading:	>662	°F

Material Type : Woven yarn

Appearance / Formats

Physical Properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.95±0.05	gr/cm3
Ignition Loss (ASTM D7348):	40±0.2	%
Thermal Conductivity (ASTM E1952):	33±0.01	W/m°K

Applications

Heavy vehicle clutches - Trucks clutches - Vehicles clutches -

Price Level : $ $ $ $

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

Mechanical Properties

Compressive Strength (ISO 844:2014):	120±5	N/mm^2
Burst Resistant (200 x 137 x 3,5) 392°F:	12000±100	RPM

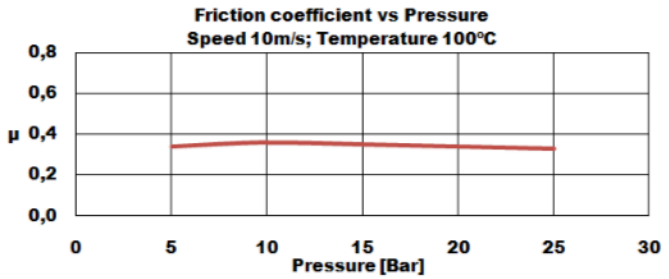
Others

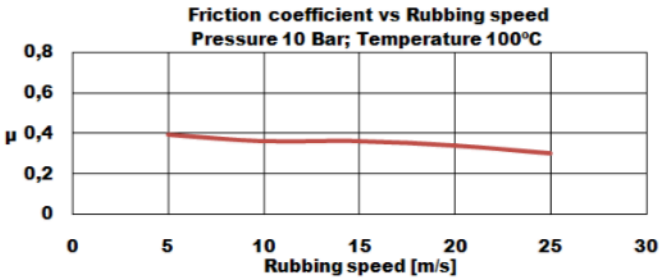
Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive
Oil Resistant:	Yes

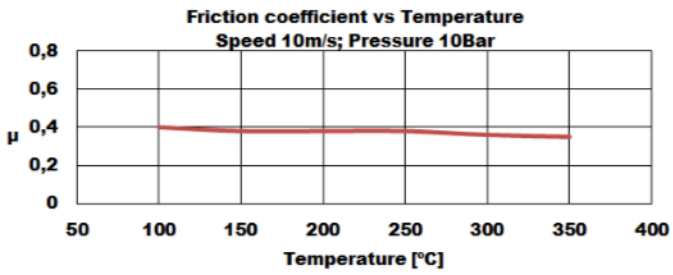
Recommended Working Values

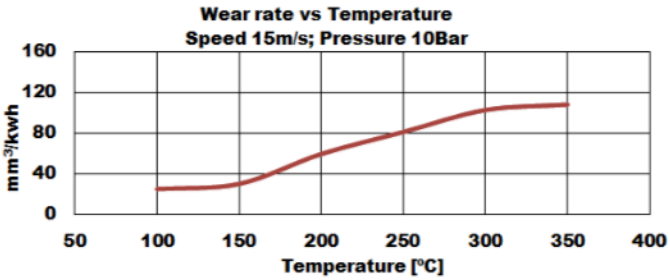
T° Max. Continuous Operation:	482	°F
T° Max. Intermittent Operation:	662	°F

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.