

ID Material:
R. Antich
Revision: 6
Date: 1/24/19

TF2025

Thermofiber 2025 is a special woven material that was designed to work at high temperatures and low wear. TF2025 is based on TF2020 and has been reinforced with extra copper to increase friction performance: better heat dissipation provides stable friction even at higher temperatures.

Material Data

Friction Properties (according to graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	μ
Static Friction Coefficient (15bar, 100oC):	0.45±0.05	μ
Dynamic Friction Coefficient:	0.45±0.05	μ
Wear Rate:	35 (at 302 °F)	mm ³ /kwh
T° Fading:	>752	°F

Physical Properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792):	2.10±0.05	gr/cm ³
Ignition Loss (ASTM D7348):	40±2	%
Acetone Extraction (ASTM D494):	2±0.2	%

Mechanical Properties

Compressive Strength (ISO 844:2014):	140±5	N/mm ²
Burst Resistant (200 x 137 x 3,5) 392°F:	14000±100	RPM

Recommended Working Values

T° Max. Continuous Operation:	482	°F
T° Max. Intermittent Operation:	752	°F

Material Type : Woven yarn

Appearance / Formats



Applications

Heavy vehicle clutches - Trucks clutches - Vehicles clutches -

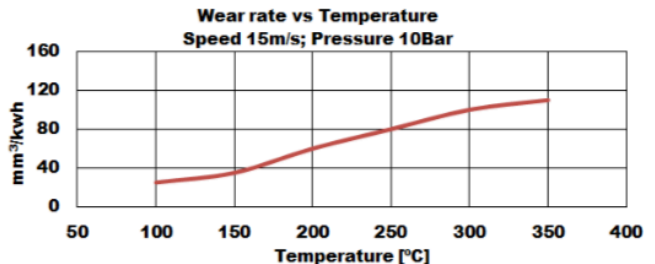
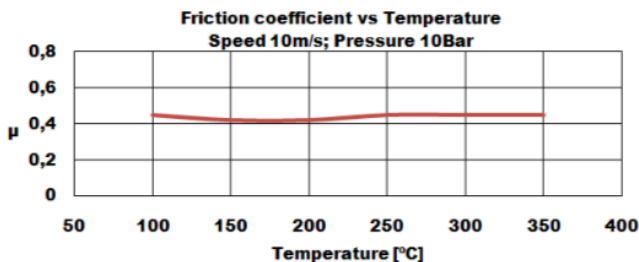
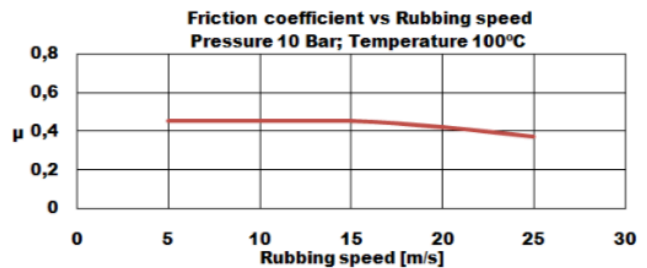
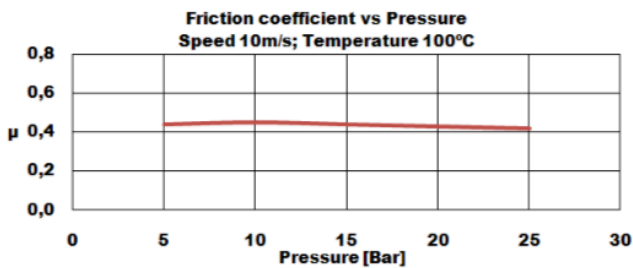
Price Level : \$ \$ \$ \$

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.