

ID Material:
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TF2016

TF2016 is a rigid woven friction material with a medium friction coefficient. TF2016 is the heavy duty material for clutches. Developed in 1997, manufactured with draft yarn and aramid fibers. It is recommended for commercial vehicles, especially when thermal conditions are high.

Material Data

Friction Properties (according to graphics)

Static Friction Coefficient (15bar, from box):	0.53±0.05	μ
Static Friction Coefficient (15bar, 100oC):	0.53±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.50±0.05	μ
Wear Rate (mm ³ /Kwh):	30 (at 302 °F)	
To Fading (10bar, 10m/s):	>662	°F

Physical Properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792-91):	1.7±0.05	gr/cm3
Ignition Loss (ASTM D7348):	50±2	%
Acetone Extraction (ASTM D494):	2±0.2	%

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

Recommended Working Values

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

Material Type : Woven yarn

Appearance / Formats



Applications

Heavy vehicle clutches - Trucks clutches - Vehicles clutches -

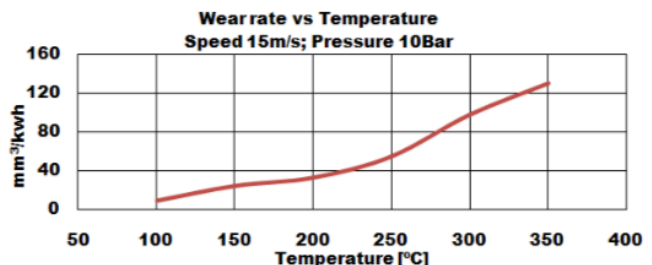
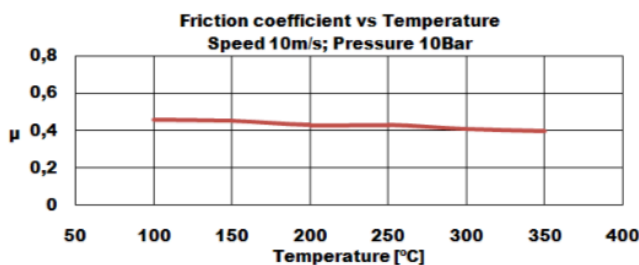
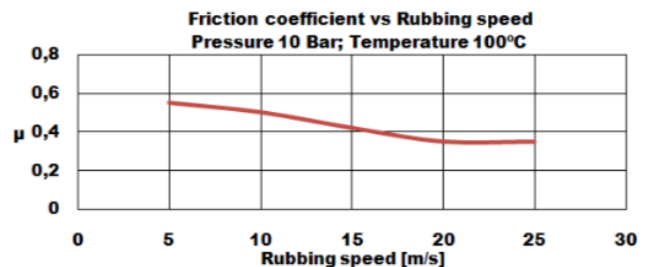
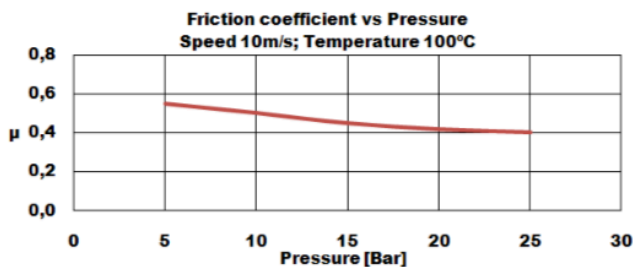
Price Level : \$\$\$

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

Others

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

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.