

ID Material:
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TF2400

TF2400 is a rigid, semi-metallic, molded friction material. It is composed of resins and rubber as a link system with frictional modifier agents, mineral fibres and fine copper shavings to enhance its strength. TF2400 conducts heat from the operating surface which produces very stable friction coefficient and excellent resistance to fading. TF2400 is fully cured material and is suitable for bonding and riveting.

Material Data

Friction Properties

Static Friction Coefficient (15bar, from box):	0.60±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.65±0.05	μ
Dynamic Friction Coefficient (@79N, 7m/s):	0.62±0.05	μ
Wear Rate (@79N, 7m/s):	40 (at 150°C)	mm ³ /Kwh
Fading (@100N, 11.5m/s):	400±10	°C

Physical Properties

	VALUE	UNIT
Hardness (DIN53505)	88±5	Shore-D
Specific Gravity (ASTM D792-91)	2±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952-01)	0.54±0.01	w/m ⁰ K

Mechanical Properties

Tensile Strength (ASTM D638-10)	15±1	N/mm ²
Compressive Strength (UNE 53205)	126±5	N/mm ²
Poison Coefficient	0.23±0.03	
Young Modulus (ASTMD638-10)	5300±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	350°C
T° Max. Intermittent Operation:	400°C

Material Type : Rigid molded friction

Appearance/Formats



Applications

Forging machinery - Heavy duty static applications - Heavy-duty industrial machinery - Machinery Mining industries - Punch-die press blocks - Ring segments -

Price Level : \$\$\$

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

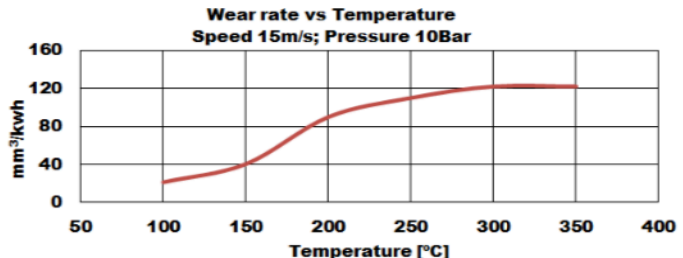
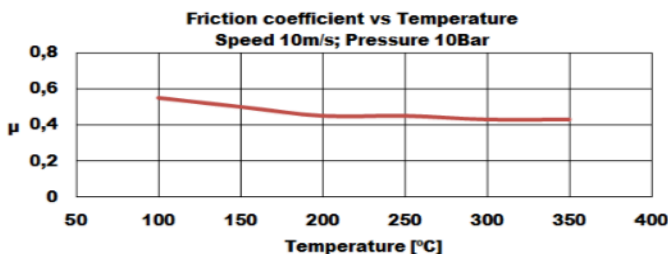
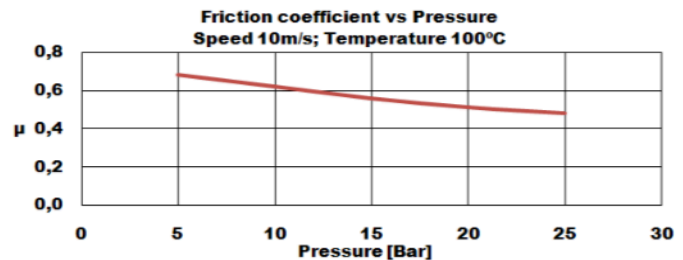
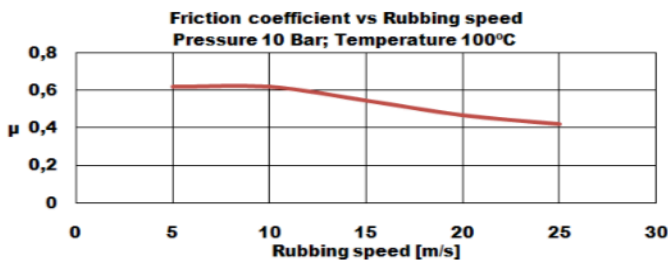
Others

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.