

ID Material: 40
Rble: R. Antich
Revision: 5
Date: 17/03/2017

MM

MM is designed for heavy duty industrial brake applications. It consists a resin of impregnated textile based material with metal components. MM has a good mechanical resistance, is fully cured and suitable for bonding and riveting.

Material data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.30±0.05	μ
Wear Rate (79N, 7m/s):	80±10	mm ³ /Kwh
T° Fading (100N, 11.5m/s):	250±10	°C

Physical properties

Hardness (DIN53505):	90±5	Shore-D
Specific Gravity (ASTM D792-91):	1.6±0.05	gr/cm ³
Ignition Loss (ASTM D-2524):	20±2	%
Acetone Extraction ISO2859-1:	3±0.2	%

Mechanical properties

Tensile Strength (ASTM D638-10):	47±5	N/mm ²
Compressive Strength (UNE 53205):	410±5	N/mm ²
Poisson Coefficient:	0.255	
Young Modulus (ASTMD 638-10):	13354±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

Material type : Rigid material

Appearance / Formats



Applications

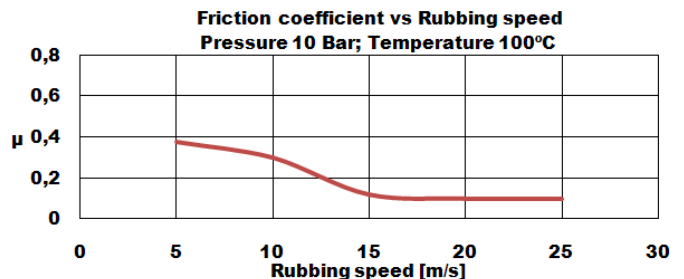
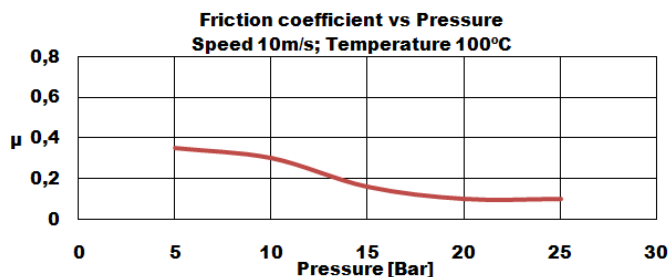
Forging machinery - Heavy duty static applications - Heavy-duty industrial machinery - Holding Mechanical Structures - Machinery Mining industries -

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



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.