



ID MATERIAL: 72
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REVISION: 5
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FRICTION MATERIAL:

MM-MEX

> DESCRIPTION

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

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.40±0.05	μ
Dynamic Friction Coefficient (@60N, 7m/s)	0.4±0.05	μ
Wear Rate (@79N, 7m/s)	50±10	mm ³ /kwh
Wear Rate (@60N, 7m/s)	50±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)	1.45±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	30±2	%
Acetone Extraction ISO2859-1	3±0.2	%
Thermal Conductivity (ASTM E1952-01)	0.3±0.01	w/m ^{°K}
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	73±5	N/mm ²
Compressive Strength (UNE 53205)	361±5	N/mm ²
Poison Coefficient	0.19±0.03	
Young Modules (ASTMD638-10)	8432±100	N/mm ²
> RECOMMENDED WORKING VALUES		
T° Max. Continuous Operation	250	°C
T° Max. Intermittent Operation	350	°C

MATERIAL TYPE Rigid woven friction material

APPEARANCE



FORMATS



APPLICATIONS

- Heavy duty static applications
- Machinery mining industries
- Heavy duty industrial machinery
- Forging machinery
- Holding mechanical structures

RECOMMENDED MATING SURFACE Perlitic cast iron, hardness HB150-200

OIL RESISTANCE Yes

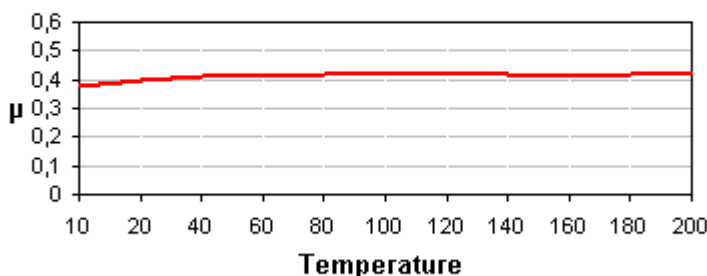
RECOMMENDED ADHESIVE Thermosetting adhesive

PRICE LEVEL € € €

REACH (EC)1907/2006 Compliance

RoHS 2011/65/EU Compliance

Friction coefficient (μ) vs Temperature (°C) @60psi 7m/s



> LEGEND



Discs



Sheets



Finished Parts



Bonded