






ID Material:
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MM-MEX

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 data

Friction Properties (according graphics)			Material type : Rigid material		
Static Friction Coefficient (15bar, from box):	0.37±0.05	μ	Appearance / Formats      		
Static Friction Coefficient (15bar, 100°C):	0.47±0.05	μ			
Dynamic Friction Coefficient:	see charts				
Wear Rate:	see charts		Applications Forging machinery - Heavy duty static applications - Heavy-duty industrial machinery - Holding Mechanical Structures - Machinery Mining industries		
T° Fading:	>250	°C			
Physical properties			Price Level : € € €		
Hardness (DIN53505):	90±5	Shore-D	Reach (EC)1907/2023 - RoHS 2015/863/EU : Compliance		
Specific Gravity (ASTM D792):	1.45±0.05	gr/cm3			
Ignition Loss (ASTM D7348):	30±2	%	Others		
Acetone Extraction (ASTM D494):	3±0.2	%			
Thermal Conductivity (ASTM E1952):	0.3±0.01	W/m°K			
Mechanical properties			Recommended Mating Surface: Perlitic cast iron, hardness HB150-200		
Tensile Strength (ASTM D638):	73±5	N/mm²	Recommended Adhesives: Thermosetting adhesive		
Compressive Strength (ISO 844:2014):	361±5	N/mm²	Oil Resistant: Yes		
Shear Modulus (ASTM D2344-00):	3543±100	N/mm²			
Young Modulus (ASTM D638):	8432±100	N/mm²			
Recommended Working Values					
T° Max. Continuous Operation:	200	°C			
T° Max. Intermittent Operation:	250	°C			



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.