



ID MATERIAL: 40  
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REVISION: 5  
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FRICTION MATERIAL:



# MM

### > DESCRIPTION

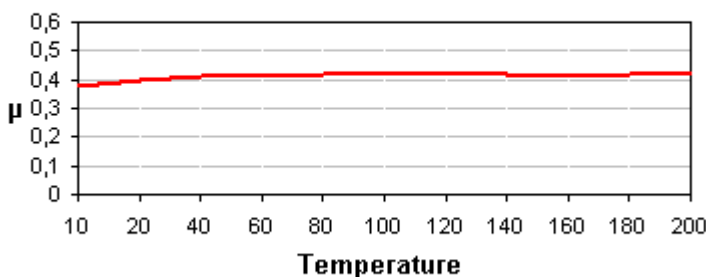
MM is designed for heavy duty industrial brake applications. It consists a resin of impregnated textile based material with metal components. MM has a good mechanical resistance, is fully cured and suitable for bonding and riveting.

### > MATERIAL 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)	80±10	mm <sup>3</sup> /kwh
Wear Rate (@60N, 7m/s)	80±10	mm <sup>3</sup> /kwh
T <sup>o</sup> Fading (@100N, 11.5m/s)	250±10	°C
<b>&gt; PHYSICAL PROPERTIES</b>		
Hardness (DIN53505)	90±5	Shore-D
Specific Gravity (ASTM D792-91)	1.6±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D-2524)	20±2	%
Acetone Extraction ISO2859-1	3±0.2	%
<b>&gt; MECHANICAL PROPERTIES</b>		
Tensile Strength (ASTM D638-10)	47±5	N/mm <sup>2</sup>
Compressive Strength (UNE 53205)	410±5	N/mm <sup>2</sup>
<b>&gt; RECOMMENDED WORKING VALUES</b>		
T <sup>o</sup> Max. Continuous Operation	250	°C
T <sup>o</sup> Max. Intermittent Operation	350	°C

<b>MATERIAL TYPE</b>	Rigid woven friction material
<b>APPEARANCE</b>	
<b>FORMATS</b>	
<b>APPLICATIONS</b>	<ul style="list-style-type: none"> <li>• Heavy duty static applications</li> <li>• Machinery mining industries</li> <li>• Heavy duty industrial machinery</li> <li>• Forging machinery</li> <li>• Holding mechanical structures</li> </ul>
<b>RECOMMENDED MATING SURFACE</b>	Perlitic cast iron, hardness HB150-200
<b>OIL RESISTANCE</b>	Yes
<b>RECOMMENDED ADHESIVE</b>	Thermosetting adhesive
<b>PRICE LEVEL</b>	€ € €
<b>REACH (EC)1907/2006</b>	Compliance
<b>RoHS 2011/65/EU</b>	Compliance

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



### > LEGEND

