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|---|---|
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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

| | |
|---|---|
| Static Friction Coefficient (@15bar, from the box) | 0.37±0.05 μ |
| Static Friction Coefficient (@15bar, 100ºC) | 0.47±0.05 μ |
| Dynamic Friction Coefficient (10bar, 10m/s) | 0.40±0.05 |
| Wear Rate (@10bar, 15m/s) | 25 (at 150 ºC) |
| Tº Fading (@10bar, 10m/s) | >250 °C |

### Physical properties

| | |
|---|---|
| Hardness (DIN53505) | 90±5 Shore-D |
| Specific Gravity (ASTM D792) | 1.45±0.05 gr/cm3 |
| Ignition Loss (ASTM D7348) | 30±2 % |
| Acetone Extraction (ASTM D494) | 3±0.2 % |
| Thermal Conductivity (ASTM E1952) | 0.3±0.01 W/m°K |

### Mechanical properties

| | |
|---|---|
| Tensile Strength (ASTM D638) | 73±5 N/mm² |
| Compressive Strength (ISO 844:2014) | 361±5 N/mm² |
| Shear Modulus (ASTM D2344-00) | 3543±100 N/mm² |
| Young Modulus (ASTM D638) | 8432±100 N/mm² |

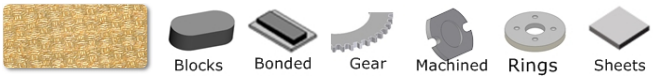
### Recommended Working Values

| | |
|---|---|
| Tº Max. Continuous Operation | 200 °C |
| Tº Max. Intermittent Operation | 250 °C |

### Material type

Woven

### Appearance / Formats




### Applications

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

### Price Level

€ € €

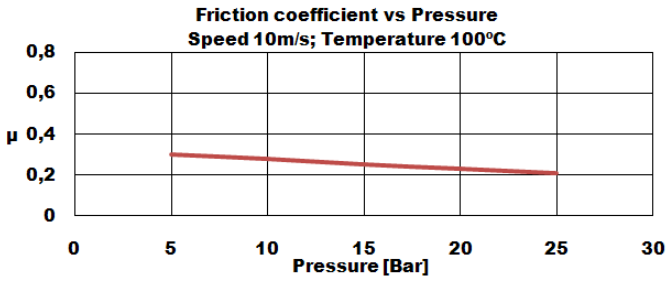
### Reach (EC)1907/2023 - RoHS 2015/863/EU

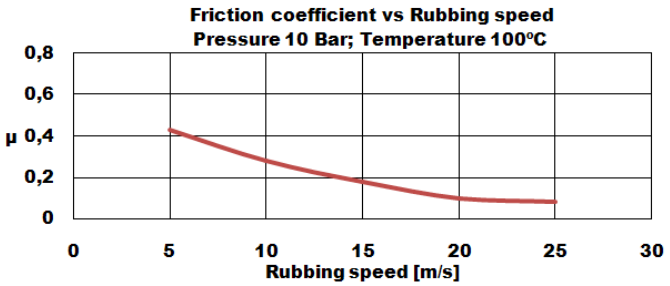
Compliance

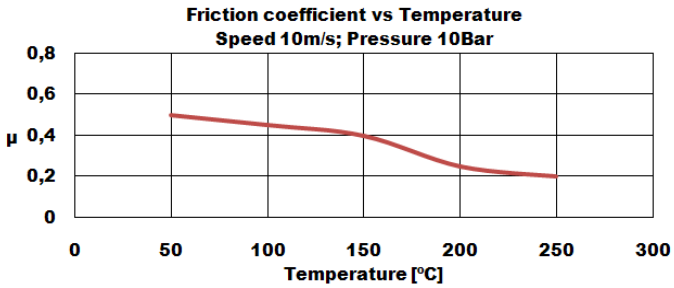
### Others

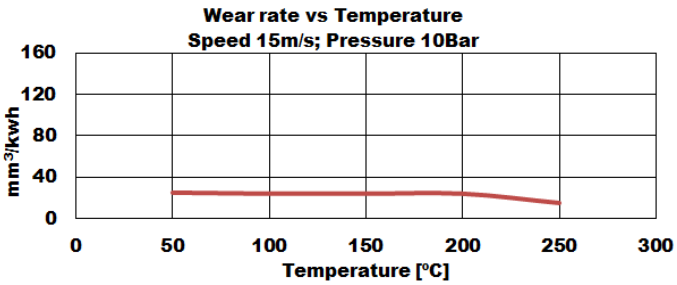
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|---|---|
| Recommended Mating Surface | Perlitic cast iron, hardness HB150-200 |
| Recommended Adhesives | Thermosetting adhesive |
| Oil Resistant | Yes |

## Charts




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.