MM-MEX is designed for heavy duty industrial brake applications. It consists of 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)**

- Static Friction Coefficient (15bar, from box): $0.37 \pm 0.05 \mu$
- Static Friction Coefficient (15bar, 100ºC): $0.47 \pm 0.05 \mu$
- Dynamic Friction Coefficient: see charts
- Wear Rate: see charts
- $T^\circ$ Fading: >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
- Poisson Coefficient (ASTM D638): 0.19±0.03
- Young Modulus (ASTM D638): 8432±100 N/mm²

**Recommended Working Values**

- $T^\circ$ Max. Continuous Operation: 200 °C
- $T^\circ$ Max. Intermittent Operation: 250 °C

**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.