

# MI 00 501

MI 00 501 is red molded friction material composed with fibres. It has excellent mechanical characteristics, hig compression strength and resistant to hig temperatures. Specially designed for hard working conditions.

## Dati Tecnici / Technical Data

### Friction propieties (according graphics)

|                                                |            |    |
|------------------------------------------------|------------|----|
| Static Friction Coefficient (15bar, from box): | 0.55±0.05  | μ  |
| Static Friction Coefficient (15bar, 100°C):    | 0.59±0.05  | μ  |
| Dynamic Friction Coefficient:                  | see charts |    |
| Wear Rate:                                     | see charts |    |
| T° Fading:                                     | >350       | °C |

### Physical properties

|                                    |          |         |
|------------------------------------|----------|---------|
| Hardness (DIN53505):               | 90±5     | Shore-D |
| Specific Gravity (ASTM D792):      | 1.9±0.05 | gr/cm3  |
| Ignition Loss (ASTM D7348):        | 40±2     | %       |
| Thermal Conductivity (ASTM E1952): | 0.27±0.1 | W/m²K   |

### Mechanical properties

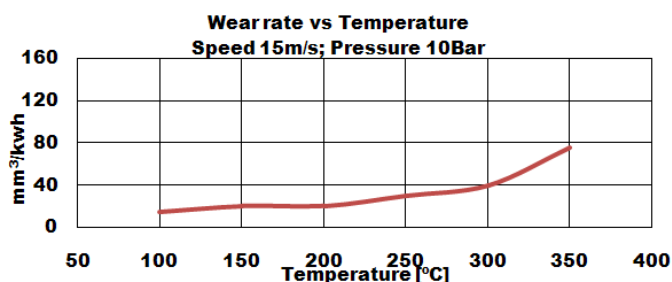
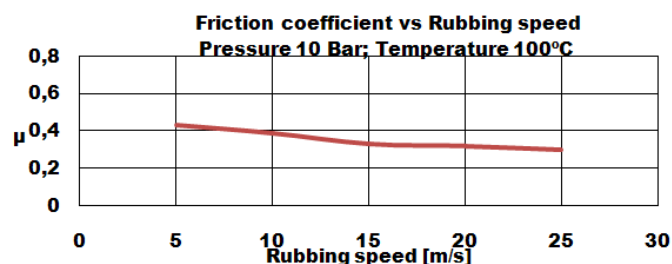
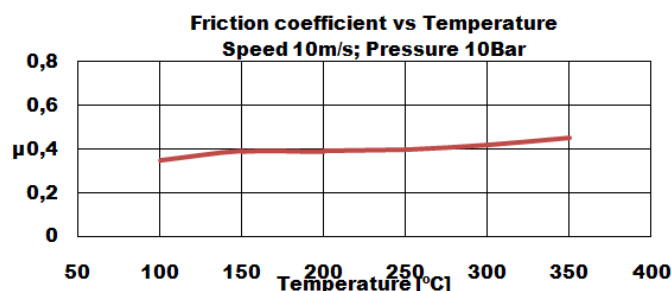
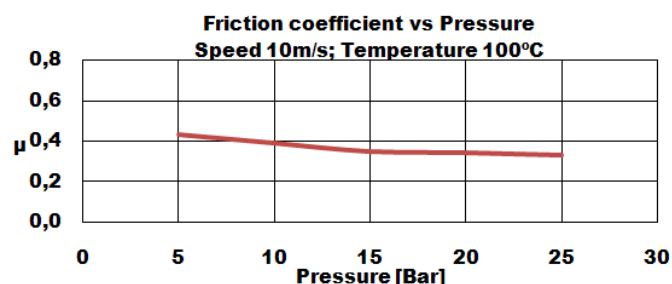
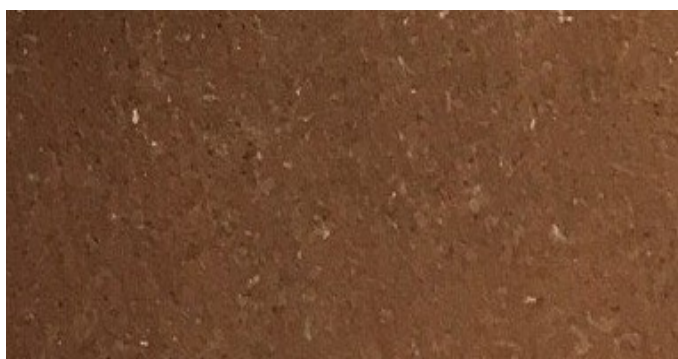
|                                      |           |       |
|--------------------------------------|-----------|-------|
| Tensile Strength (ASTM D638):        | 30±5      | N/mm² |
| Compressive Strength (ISO 844:2014): | 175±5     | N/mm² |
| Poisson Coefficient (ASTM D638):     | 0.24±0.03 |       |
| Young Modulus (ASTM D638):           | 8400±100  | N/mm² |

### Recommended Working Values

|                                 |     |    |
|---------------------------------|-----|----|
| T° Max. Continuous Operation:   | 300 | °C |
| T° Max. Intermittent Operation: | 400 | °C |

### Others

|                             |                                        |
|-----------------------------|----------------------------------------|
| Recommended Mating Surface: | Perlitic cast iron, hardness HB150-200 |
| Recommended Adhesives:      | Thermosetting adhesive                 |



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.