



**IMA**  
MATERIALI DI ATTRITO  
PER FRENI E FRIZIONI

# MI 00 501

Il materiale MI 00 501 è un materiale composto da fibre rosse. Ha un'eccellente caratteristica meccanica, è resistente alla compressione e alle elevate temperature. Creato per lavorare in condizioni estreme.

*MI 00 501 is a molded friction material composed by red fibers. It has excellent mechanical qualities, high compression strength and resistance to high temperatures. The material is designed to perform in extreme working conditions.*

## Dati Tecnici / Technical Data

### Friction properties (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

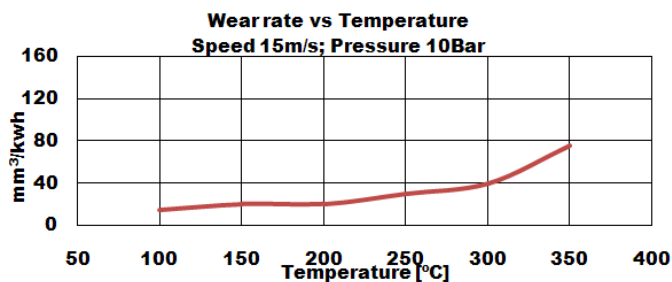
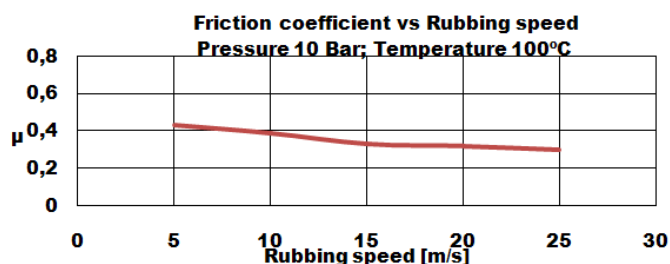
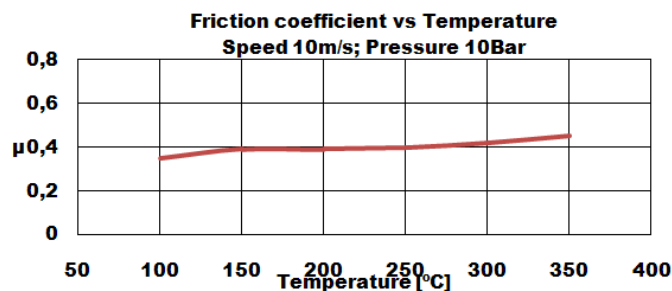
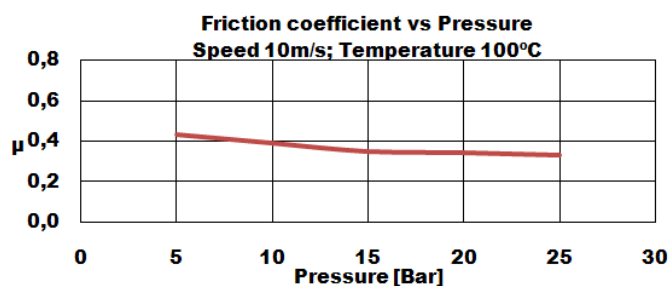
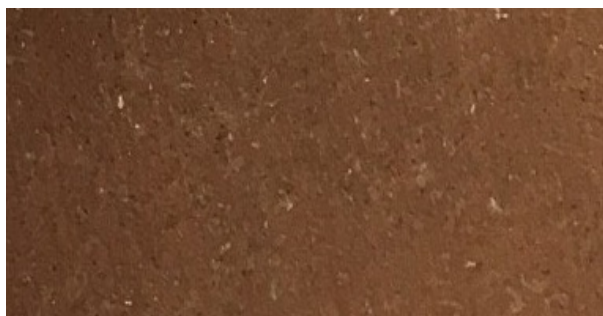
Tensile Strength (ASTM D638):	30±5	N/mm²
Compressive Strength (ISO 844:2014):	175±5	N/mm²
Poisson Coefficient (ASTM D638):	0.24±0.03	
Young Modulus (ASTM D638):	8400±100	N/mm²

### 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 others. The values shown represent typical conditions, but are not ultimate limits of the material.