



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

# MI 00 601

Il materiale MI 00 601 ha un medio/alto coefficiente di attrito ed è rinforzato da polveri metalliche. Questo materiale ha una bassa/media usura e risulta molto silenzioso durante l'utilizzo. Si presta facilmente al taglio, anche per spessori elevati. Il materiale è composto da resine fenoliche, fibre corte, particelle metalliche e filler.

*MI 00 601 is a molded friction material with a medium-high friction coefficient. The material is reinforced with metal components. MI 00 601 is quiet in performance and easy to cut regardless of its thickness. The material is composed by phenolic resins, short fibers, metal particles and fillers.*

## 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):	0.60±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>340	°C

### Physical properties

Hardness (DIN53505):	78±5	Shore-D
Specific Gravity (ASTM D792):	1.80±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D7348):	43±2	%

### Mechanical properties

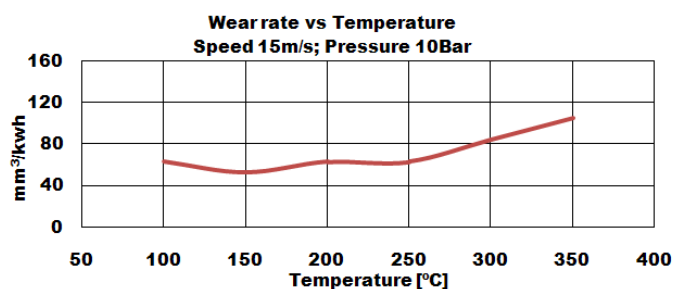
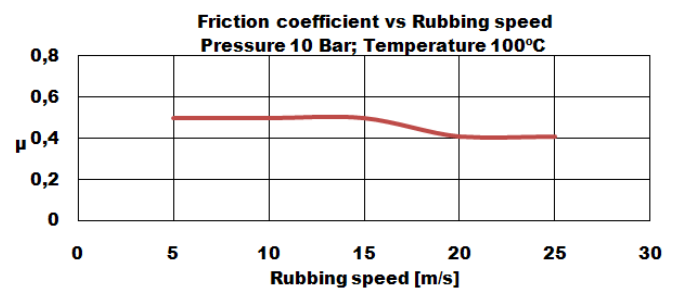
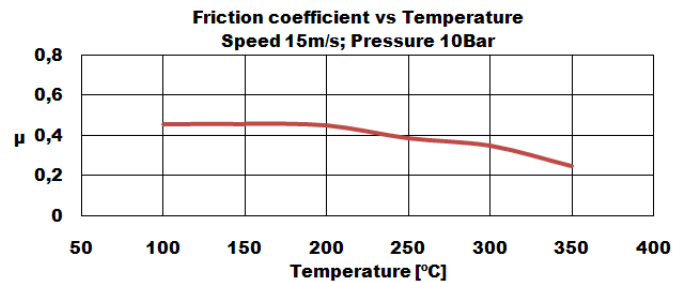
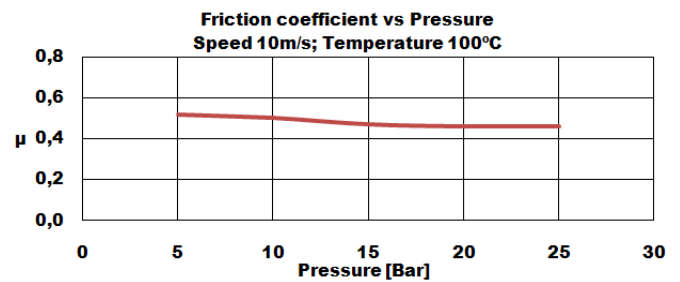
Tensile Strength (ASTM D638):	10±2	N/mm <sup>2</sup>
Compressive Strength (ISO 844:2014):	100±5	N/mm <sup>2</sup>
Poisson Coefficient (ASTM D638):	0.18±0.03	
Young Modulus (ASTM D638):	2500±100	N/mm <sup>2</sup>

### Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°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.