MI 00 201

Il materiale MI 00 201 è stato creato per le applicazioni industriali, è un materiale da stampo rigido. Le migliori caratteristiche di questo materiale sono un'elevata durezza e un'alta resistenza meccanica. Il materiale si compone di resine fenoliche, fibre, particelle metalliche e fillers.

MI 00 201 was developed for industrial applications, it is a rigid molded friction material. The main characteristics of this material are its hardness and high mechanical strength. The material is composed of phenolic resins, short fibers, metal particles and fillers.

Dati Tecnici / *Technical Data*

Friction propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.50±0.05	μ
Static Friction Coefficient (15bar, 100ºC):	0.52±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>350	°C

Physical properties

Hardness (DIN53505):	87±5	Shore-D
Specific Gravity (ASTM D792):	1.85±0.05	gr/cm3

Mechanical properties

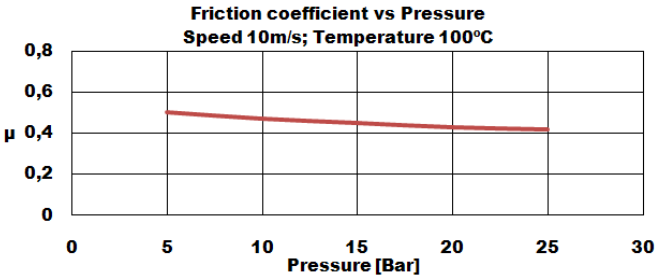
Tensile Strength (ASTM D638):	15.2±2	N/mm^2
Compressive Strength (ISO 844:2014):	160±5	N/mm^2
Poisson Coefficient (ASTM D638):	0.25±0.03	
Young Modulus (ASTM D638):	5200±100	N/mm^2

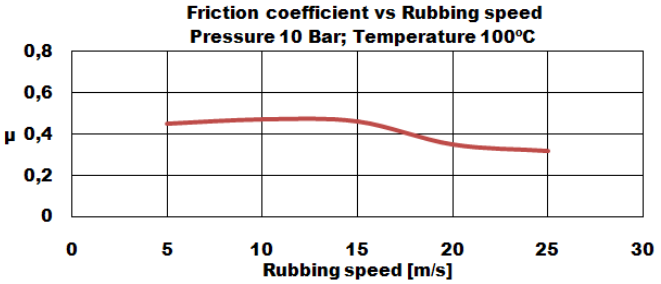
Recommended Working Values

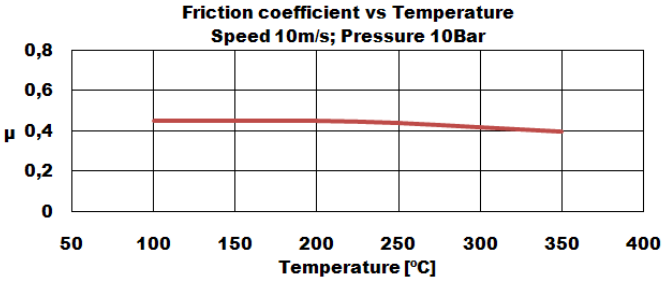
T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

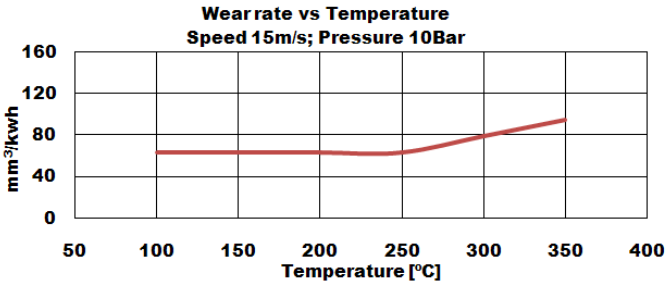
Others

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