



IMA
MATERIALI DI ATRITO
PER FRENI E FRIZIONI

MI 00 301

Il Materiale MI 00 301 è molto affidabile, ha una bassa usura ed è resistente alle alte temperature. Risulta molto silenzioso durante l'utilizzo. Il materiale contiene filo in fibra di vetro di rinforzo, il quale è avvolto a spirale su un sottile nucleo in rame. Questo dà origine ad un materiale resistente con buone proprietà di trasferimento del calore su tutta la superficie.

MI 00 301 is a very reliable friction material, it has a low wear rate and great resistance to extremely high temperatures. The material is silent in operation and it contains glass fiber yarn which is woven with a fine copper core as a reinforcement. MI00301 is a strong material with great heat transfer properties.

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:	>300	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.87±0.05	gr/cm ³
Ignition Loss (ASTM D7348):	40±2	%
Thermal Conductivity (ASTM E1952):	0.244±0.03	W/m ² K

Mechanical properties

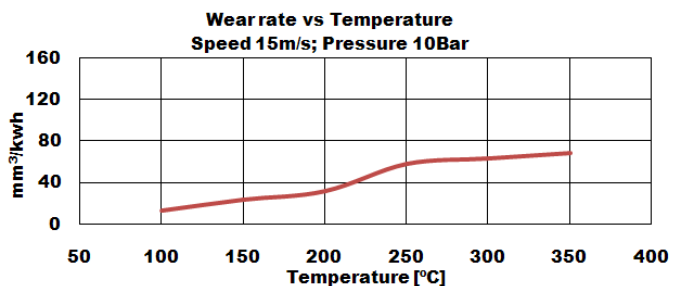
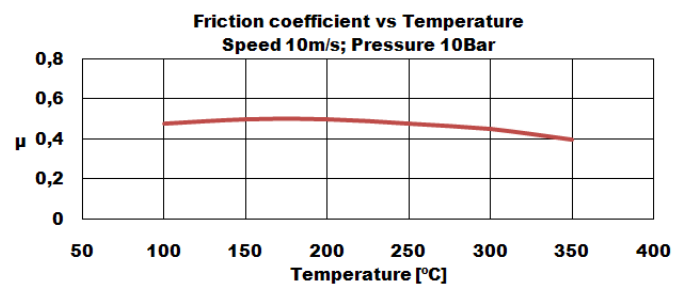
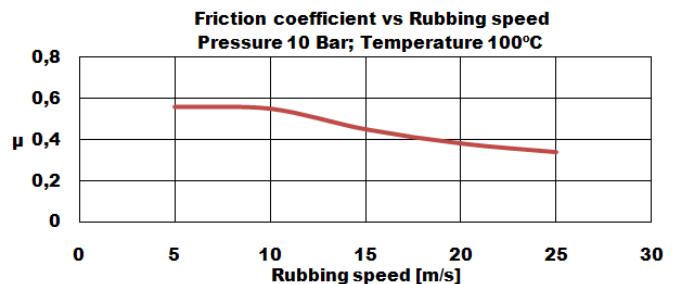
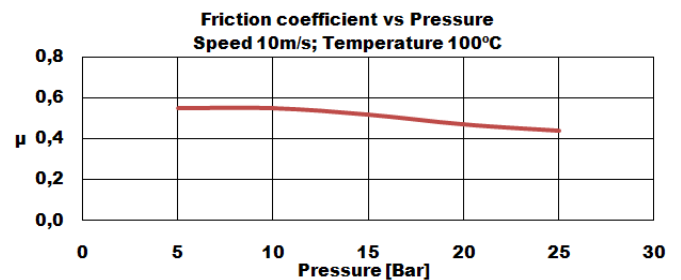
Compressive Strength (ISO 844:2014):	120±5	N/mm ²
Burst Resistant (200 x 137 x 3,5) 200°C:	8500±100	RPM

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.