

MI 00 305

MI 00 305 is very reliable Friction Material, has a low rate and hard wearing. MI 00 305 is very silent during use.
Composition: The glass fiber reinforcement yarn is spiral woven with a fine copper core to produce a strong material with good heat transfer characteristics.

Dati Tecnici / Technical Data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.42±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.44±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>350	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.95±0.05	gr/cm3
Ignition Loss (ASTM D7348):	40±2	%
Thermal Conductivity (ASTM E1952):	33±0.01	W/m°K

Mechanical properties

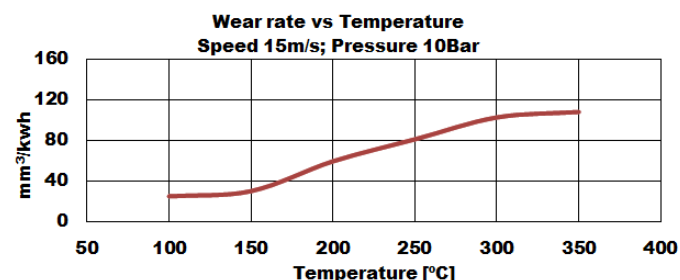
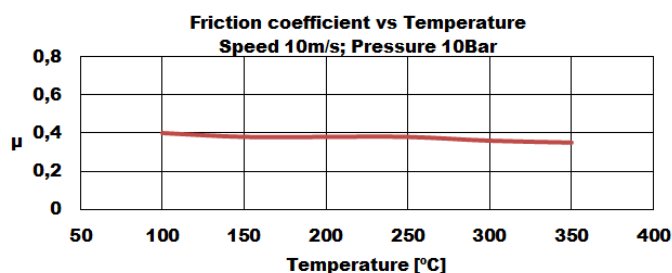
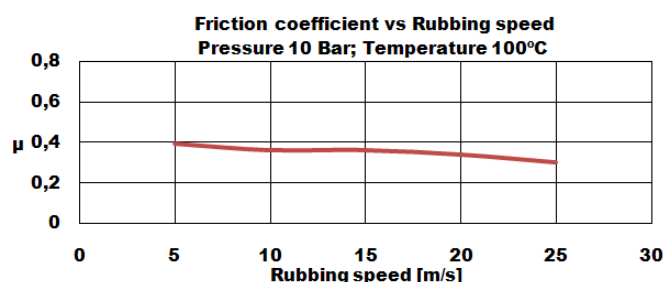
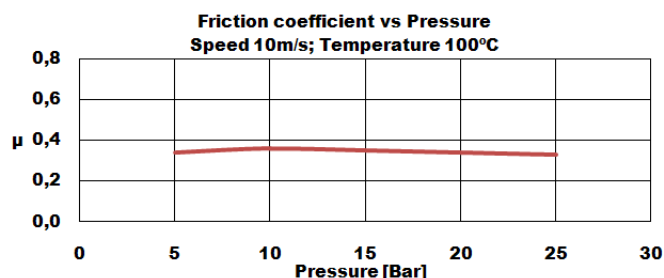
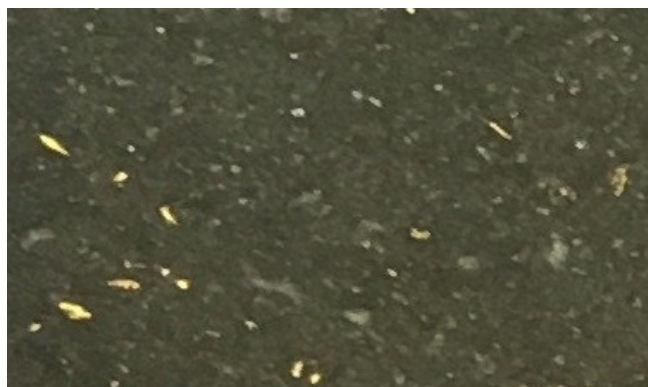
Compressive Strength (ISO 844:2014):	120±5	N/mm²
Burst Resistant (200 x 137 x 3,5) 200°C:	12000±100	RPM

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.