

MI 00 604

MI 00 604 is standard formulation which suitable for light medium duty. It is a rigid material with low wear and very stable friction performance. The material mai composition is phenol resins with a NBR bonding systems, shot fibres,friction modifiers and fillers. Free metal

Dati Tecnici / Technical Data

Friction propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>350	°C

Physical properties

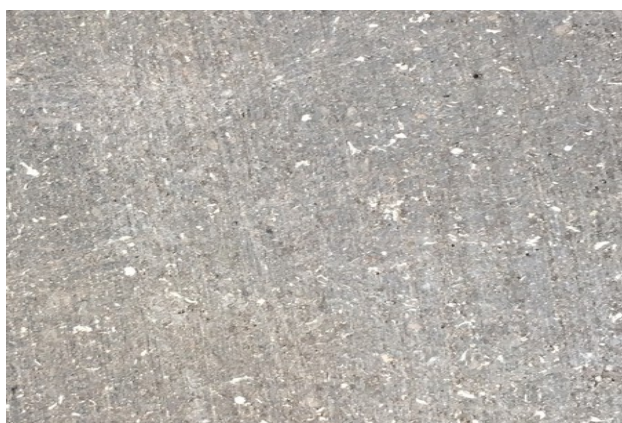
Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.8±0.05	gr/cm3
Thermal Conductivity (ASTM E1952):	0.44±0.01	W/m²K
Shear resistance (ISO 6312:2001):	22±2	N/mm²

Mechanical properties

Tensile Strength (ASTM D638):	14±5	N/mm²
Compressive Strength (ISO 844:2014):	140±5	N/mm²
Poisson Coefficient (ASTM D638):	0.27±0.03	
Young Modulus (ASTM D638):	3896±100	N/mm²

Recommended Working Values

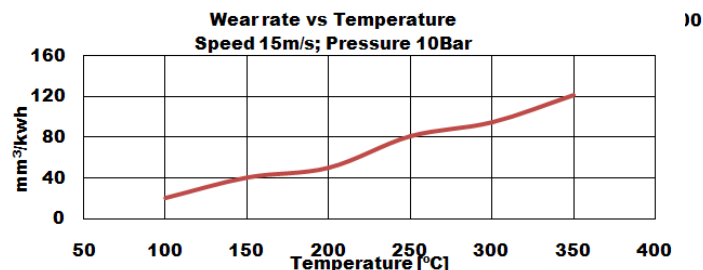
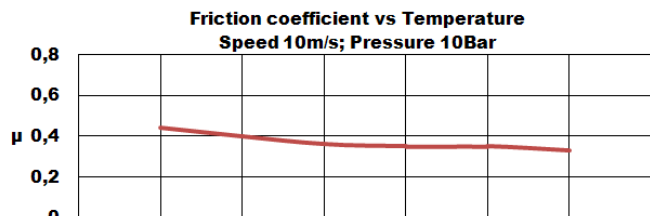
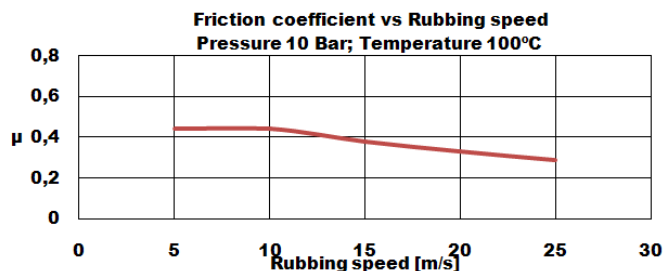
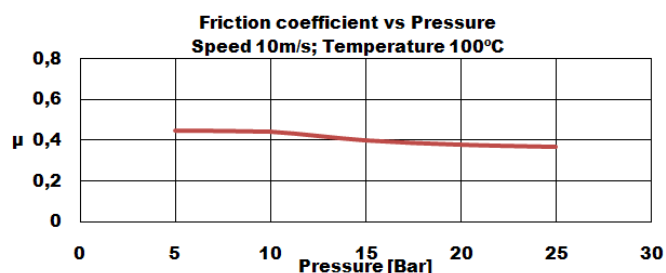
T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C



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.