



IMA
MATERIALI DI ATTRITO
PER FRENI E FRIZIONI



MI 00 604

Il Materiale MI 00 604 è un materiale di attrito di uso generale, è un materiale rigido, con una bassa usura e una grande stabilità durante la frenata. Il materiale è composto da Resine fenoliche unite con NBR a fibre corte. Non presenta polveri metalliche all'interno.

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 properties (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

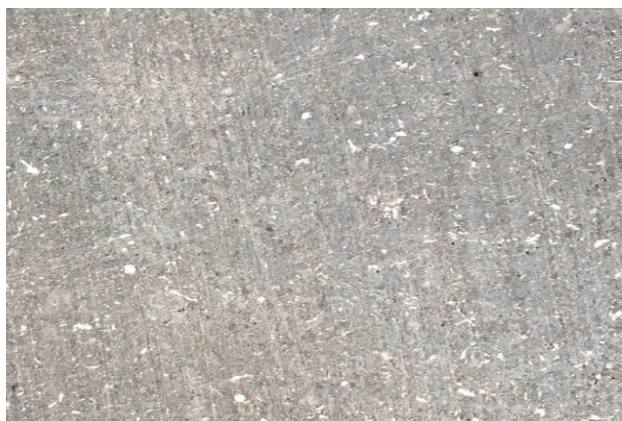
Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.8±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952):	0.44±0.01	W/m ² K
Shear resistance (ISO 6312:2001):	22±2	N/mm ²

Mechanical properties

Tensile Strength (ASTM D638):	14±5	N/mm ²
Compressive Strength (ISO 844:2014):	140±5	N/mm ²
Poisson Coefficient (ASTM D638):	0.27±0.03	
Young Modulus (ASTM D638):	3896±100	N/mm ²

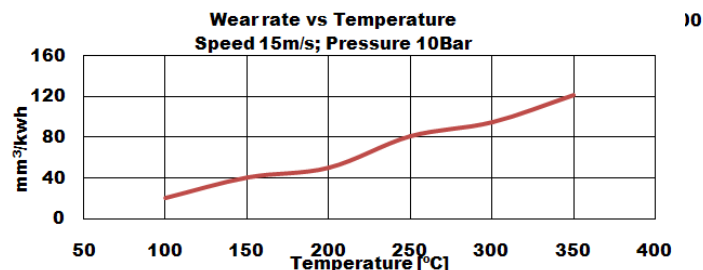
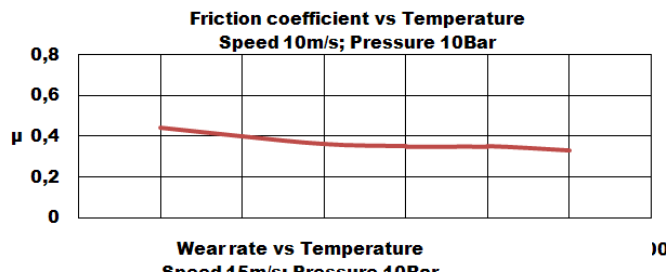
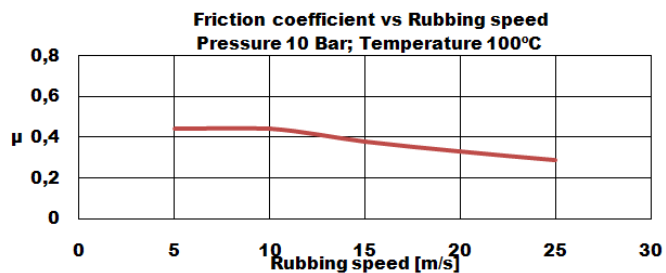
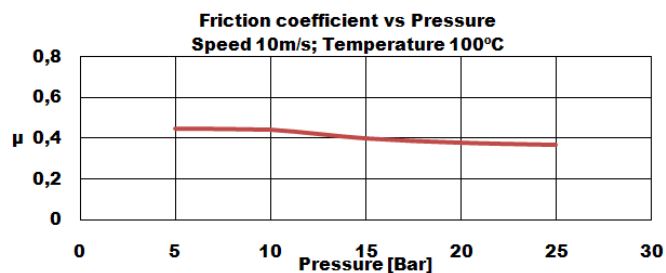
Recommended Working Values

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