



MI 00 401

Il Materiale MI 00 401 è stato creato per applicazioni industriali pesanti. E' costituito da tessuto impregnato di resine con componenti metallici che garantiscono una buona resistenza meccanica

MI 00 401 is designed for heavy duty industrial brake applications. It consists a resina of impregnated textile based material with metal components, it has a good mechanical resistance.

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:	>200	°C

Physical properties

Hardness (DIN53505):	90±5	Shore-D
Specific Gravity (ASTM D792):	1.6±0.05	gr/cm ³
Ignition Loss (ASTM D7348):	20±2	%
Acetone Extraction (ASTM D494):	3±0.2	%

Mechanical properties

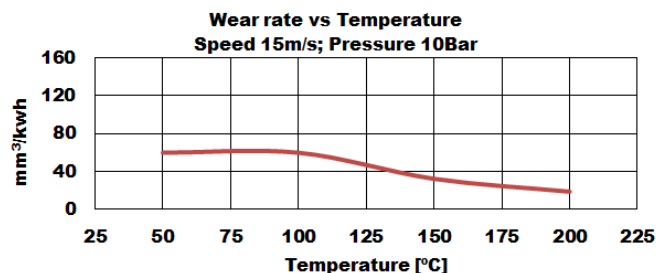
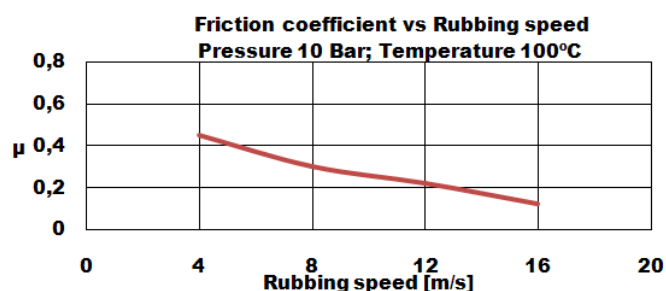
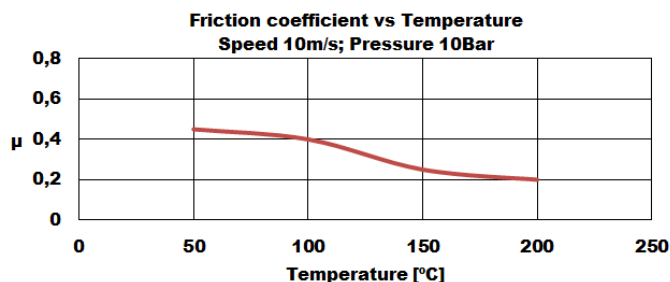
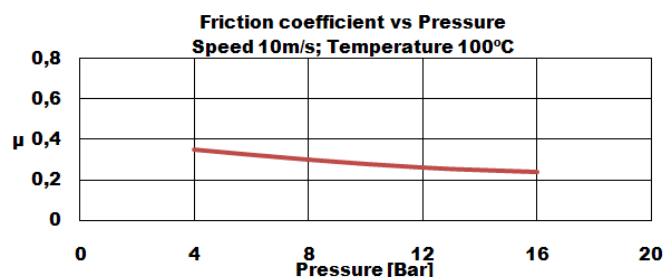
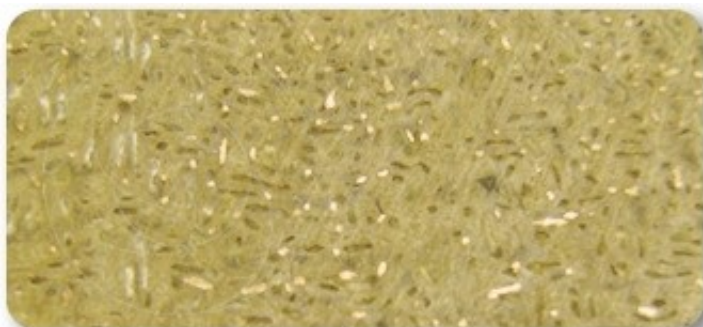
Tensile Strength (ASTM D638):	47±5	N/mm ²
Compressive Strength (ISO 844:2014):	410±5	N/mm ²
Poisson Coefficient (ASTM D638):	0.255	
Young Modulus (ASTM D638):	13354±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	200	°C
T° Max. Intermittent Operation:	250	°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.