



MI 00 402

Il Materiale MI 00 402 è stato creato per applicazioni industriali pesanti. E' costituito da tessuto impregnato di resine senza componenti metallici all'interno. È dotato di un'ottima resistenza meccanica ed è antideflagrante.

MI 00 402 is designed for heavy duty industrial brake applications. It consists of a resina-impregnated textile material without metal components. It has a good mechanical resistance and it is explosion-proof.

Dati Tecnici / Technical Data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.37±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.47±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>250	°C

Physical properties

Hardness (DIN53505):	90±5	Shore-D
Specific Gravity (ASTM D792):	1.45±0.05	gr/cm3
Ignition Loss (ASTM D7348):	30±2	%
Acetone Extraction (ASTM D494):	3±0.2	%
Thermal Conductivity (ASTM E1952):	0.3±0.01	W/m²K

Mechanical properties

Tensile Strength (ASTM D638):	73±5	N/mm²
Compressive Strength (ISO 844:2014):	361±5	N/mm²
Poisson Coefficient (ASTM D638):	0.19±0.03	
Young Modulus (ASTM D638):	8432±100	N/mm²

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.

