



IMA
MATERIALI DI ATRITO
PER FRENI E FRIZIONI



MI 00 950

Il Materiale MI 00 950 è un materiale con base metallica, molto performante ad alte temperatura. Offre ottime prestazioni ad elevate compressioni. E' composto da una base in resina legata ad agenti minerali e fibre organiche. Ha un coefficiente di attrito stabile ed una bassa usura.

MI 00 950 is a metal based friction material which is able to perform at very high temperatures. It offers good heat dissipation and high compression strength characteristics. MI 00 950 has a high and very stable friction coefficient with low wear and excellent resistance to fading.

Dati Tecnici / Technical Data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.40±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.43±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>450	°C

Physical properties

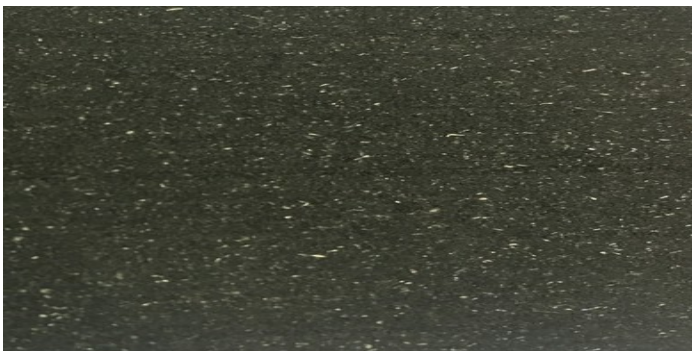
Hardness (DIN53505):	87±5	Shore-D
Specific Gravity (ASTM D792):	2.7±0.05	gr/cm ³
Ignition Loss (ASTM D7348):	5±2	%
Acetone Extraction (ASTM D494):	1.5±0.2	%
Thermal Conductivity (ASTM E1952):	1.53±0.01	W/m ² K

Mechanical properties

Tensile Strength (ASTM D638):	35±5	N/mm ²
Compressive Strength (ISO 844:2014):	185±5	N/mm ²
Poisson Coefficient (ASTM D638):	0.22±0.03	
Young Modulus (ASTM D638):	16220±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	400	°C
T° Max. Intermittent Operation:	450	°C



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.

Others

Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive

