

MI 00 704

MI 00 704 is a high performance, high friction, non-metal composite material containing a high percentage of arimid fibre. It can be considered as an alternative for sintered metal materials and offers many advantages. It will resist high energy inputs and is suitable for both dry and oil-immersed application. It is silent in operation and it will resist high pressures.

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:	>400	°C

Physical properties

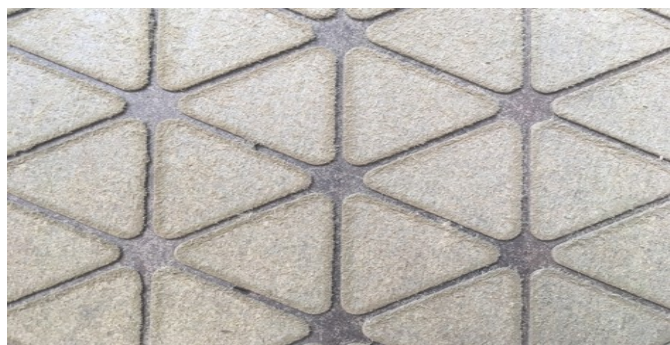
Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.20±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952):	0.25±0.01	W/m ² K

Mechanical properties

Tensile Strength (ASTM D638):	70±5	N/mm ²
Compressive Strength (ISO 844:2014):	306±5	N/mm ²
Burst Resistant (200 x 137 x 3,5) 200°C:	18200±100	RPM
Poisson Coefficient (ASTM D638):	0.27±0.03	
Young Modulus (ASTM D638):	7260±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	360	°C
T° Max. Intermittent Operation:	400	°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

