



MI 00 608

Il Materiale MI 00 608 è composto da resine fenoliche legate a polveri di materiale di frizione. Questo composto rende il materiale ad alto coefficiente di attrito con una resistenza meccanica eccellente. Le sue proprietà hanno un enorme successo soprattutto per l'utilizzo nelle turbine eoliche .

MI 00 608 material consist phenolic resins as a bonding systems, short fibres, friction modifiers and filler. This offer high static coefficiency and an excellent mechanical resistance, very successful for wind turbine components.

Dati Tecnici / Technical Data

Friction propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.55±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:	>310	°C

Physical properties

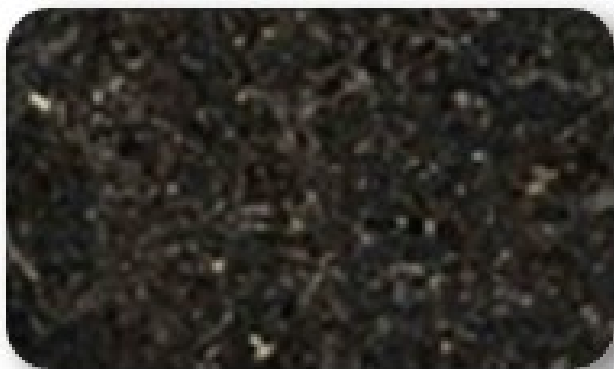
Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.75±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952):	0.49±0.01	W/m ² K

Mechanical properties

Tensile Strength (ASTM D638):	19±5	N/mm ²
Compressive Strength (ISO 844:2014):	110±5	N/mm ²
Shear Modulus (ASTM D2344-00):	2687±100	N/mm ²
Poisson Coefficient (ASTM D638):	0.24±0.03	
Young Modulus (ASTM D638):	5506±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	200	°C
T° Max. Intermittent Operation:	300	°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

