



IMA
MATERIALI DI ATRITO
PER FRENI E FRIZIONI

MI 00 711

Il Materiale MI 00 711 è un materiale molto performante, molto frenante, non metallico. E' resistente alle grandi energie impresse e può essere utilizzato a secco o bagno d'olio. Non è abrasivo al contatto con altri materiali, ha un funzionamento silenzioso. Il tasso di usura è basso anche alle elevate temperature.

MI 00 711 is a high performance, high friction, non-metal composite. It will resist high energy inputs and is suitable for both dry and oil immersed application. It is not abrasive to the counter material, is silent in operation and it will resist high pressures. The wear rate is low even at high temperatures.

Dati Tecnici / Technical Data

Friction propeties (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 (10bar, 10m/s):	0.50±0.05	μ
Wear Rate (10bar, 15m/s):	60±10	mm ³ /Kwh
T° Fading (10bar, 10m/s):	>390	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792-91):	1.30±0.05	gr/cm ³

Mechanical properties

Tensile Strength (ASTM D638):	70±5	N/mm ²
Compressive Strength (UNE 53205):	306±5	N/mm ²
Poisson Coefficient :	0.27±0.03	
Burst Resistant (200 x 137 x 3,5) 200°C:	18200±100	N/mm ²

Recommended Working Values

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

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

Recommended Adhesives: Thermosetting adhesive

Oil Resistant: Yes

Friction coefficient (μ) vs Temperature (°C) @80psi 7m/s

