



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 properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.40±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.65±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	See charts	
Wear Rate (10bar, 15m/s):	See charts	
T° Fading (10bar, 10m/s):	>500	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792-91):	1.27±0.1	gr/cm3

Mechanical properties

Tensile Strength (ASTM D638):	70±5	N/mm ²
Compressive Strength (UNE 53205):	300±50	N/mm ²
Poisson Coefficient :	0.27±0.03	
Burst Resistant (200 x 137 x 3,5) 200°C:	18200±200	RPM
Young Modulus (ASTM D638):	7200±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	300	°C
T° Max. Intermittent Operation:	450	°C
Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200	
Recommended Adhesives:	Thermosetting adhesive	

