



IMA
MATERIALI DI ATRITO
PER FRENI E FRIZIONI

MI 00 705

Il materiale MI 00 705 è un materiale semi metallico rigido. E' composto da resine e gomma legate insieme da agenti di frizione modificanti. Questo materiale ha un coefficiente di attrito molto alto e stabile ed è resistente alla dissolvenza.

MI 00 705 is semi-metallic rigid moulded material. It is composed of resins and rubbers bound together with friction modifier agents. This material has a high and very stable friction coefficient and excellent resistance to fading.

Dati Tecnici / Technical Data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.60±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.65±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.62±0.05	μ
Wear Rate (10bar, 15m/s):	100±10	mm ³ /Kwh
T° Fading (10bar, 10m/s):	>350	°C

Physical properties

Hardness (DIN53505):	88±5	Shore-D
Specific Gravity (ASTM D792-91):	2±0.05	gr/cm ³

Mechanical properties

Tensile Strength (ASTM D638):	15±5	N/mm ²
Compressive Strength (UNE 53205):	126±5	N/mm ²
Poisson Coefficient :	0.23±0.03	
Burst Resistant (200 x 137 x 3,5) 200°C:	5300±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	355	°C
Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200	
Recommended Adhesives:	Thermosetting adhesive	

