



IMA
MATERIALI DI ATRITO
PER FRENI E FRIZIONI



MI 00 850

Il Materiale MI 00 850 è rigido e molto forte. Composto da fibre organiche e minerali legate con resine e modificatori di frizione. Questo materiale è adatto ad applicazioni industriali che richiedono un medio coefficiente di attrito, una bassa usura e una grande resistenza meccanica

MI 00 850 is a very strong rigid molded friction material. The basic compounds that have been used are resins for the bonding system, organic and minerals fibres and friction modifiers. MI 00 850 is suitable for industrial applications with a medium friction coefficient. It has good resistance to fading and wear.

Dati Tecnici / Technical Data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.43±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.42±0.05	μ
Wear Rate (10bar, 15m/s):	100±10	mm ³ /Kwh

Physical properties

Hardness (DIN53505):	84±5	Shore-D
Specific Gravity (ASTM D792-91):	1,9±0.05	gr/cm3
Ignition Loss (ASTM D-2524):	31± 2	%

Mechanical properties

Tensile Strength (ASTM D638):	18±2	N/mm ²
Compressive Strength (UNE 53205):	140±5	N/mm ²
Poisson Coefficient :	0.19±0.03	
Young Modulus (ASTMD 638-10):	7042±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

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

Recommended Adhesives: Thermosetting adhesive

