



**IMA**  
MATERIALI DI ATRITO  
PER FRENI E FRIZIONI



# MI 00 620

Il Materiale MI 00 620 è rigido con un elevato coefficiente di attrito. Le caratteristiche maggiori sono la durezza, la forza meccanica e la resistenza ad altissime temperature. E' composto principalmente da resina e gomma legati insieme con agenti modificanti. Le fibre minerali aumentano la forza che aiuta a stabilire il valore di attrito.

*MI 00 603 is developed for static applications, it is rigid and moulded friction material. Its most noted characteristics are hardness, mechanical strength and resistance to temperature. Its efficiency is very high. It is composed basically of resins and rubber as a link system with friction modifying agents. The mineral fibres enhance the strength which helps to establish the friction value.*

## 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):	0.43±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>350	°C

### Physical properties

Hardness (DIN53505):	83±5	Shore-D
Specific Gravity (ASTM D792):	1.80±0.05	gr/cm <sup>3</sup>

### Mechanical properties

Tensile Strength (ASTM D638):	23±5	N/mm <sup>2</sup>
Compressive Strength (ISO 844:2014):	120±5	N/mm <sup>2</sup>
Poisson Coefficient (ASTM D638):	0.24±0.03	
Young Modulus (ASTM D638):	9190±100	N/mm <sup>2</sup>

### Recommended Working Values

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

