MI 00 702

MI 00 702 è un materiale verde a frizione rigida che consiste di resine fenoliche come sistema di incollaggio, fibre corte, modificatori di attrito e riempitivi. Questo offre un coefficiente statico medio-alto ed un'eccellente resistenza meccanica, di grande successo per i componenti delle turbine eoliche.

MI 00 702 is green rigid friction material which consists phenol resins as a bonding system, short fibres, friction modifiers and fillers. This offers a medium high static coefficiency and an excellent mechanical resistance, very successful for wind turbine components

Dati Tecnici / *Technical Data*

Friction propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.55±0.05	μ
Static Friction Coefficient (15bar, 100ºC):	0.50±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>310	°C

Physical properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792):	1,7±0.10	gr/cm3
Thermal Conductivity (ASTM E1952):	0,49±0.2	W/m°K

Mechanical properties

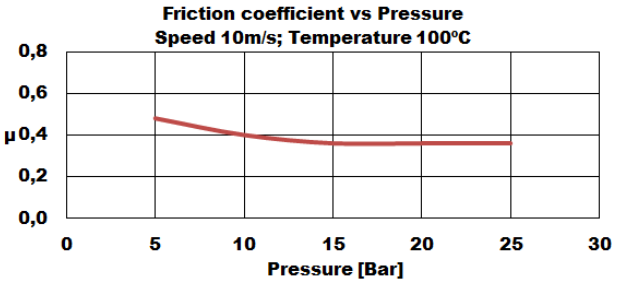
Compressive Strength (ISO 844:2014):	115±5	N/mm$_2$
Tensile Strength (ASTM D638):	20±5	N/mm$_2$
Shear Modulus (ASTM D2344-00):	2217±100	N/mm$_2$
Young Modulus (ASTM D638):	5500±100	N/mm$_2$

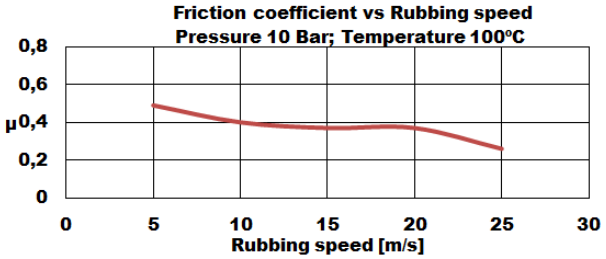
Recommended Working Values

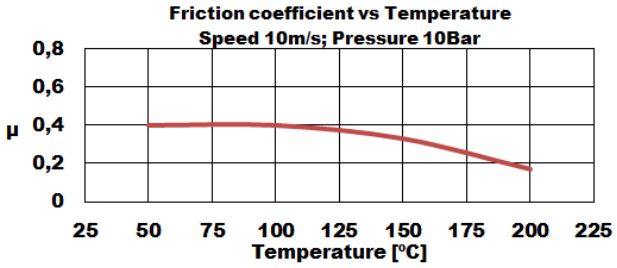
T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

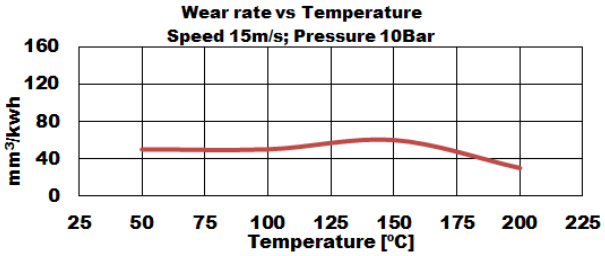
Others

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









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.

IMA SRL – Via Aretina 180/r-182/r – 50136 Firenze (IT) - Tel: +39 055 690 401 - +39 055 690670 - P.I. 05545290487 www.imafreni.it