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IMA® S.R.L.
SELLING OF FRICTION MATERIAL
FOR BRAKES AND CLUTCHES
SPECIALIZED LABORATORY
ON REVISION AND MANUFACTURING
OF ANY ITEM AND TIPOLOGY

Dasa-Rägister
EN ISO 9001:2000
IQ-1005-04
SINCERT

MATERIAL MI 00 200

Description

Developed for industrial applications, MI 00 200 is a rigid, asbestos free, moulded friction material. It most noted properties are its hardness and mechanical strength, resistance to temperature and the low wear.

Applications

- Brake pads for cranes
- Geared discs
- Punch-die press blocks
- Hard industrial applications

Adhesives

The use of any well known thermosetting adhesive is recommended.

Rubbing surfaces

Good quality, fine grained pearlitic cast iron with Brinell hardness of 150-200 is recommended.

Physical properties

• Density g/cm^3	1.85–1.95
• Hardness (SHORE-D)	85–90
• Acetone extraction	< 2.5%
• Ignition loss	35-40 %

Mechanical properties

• Tensile strength N/mm² (ASTM D-638)	13.66
• Compressive strength N/mm² 10% (UNE 53205)	103
• Ultimate compressive strength N/mm² (UNE 53205)	128.5

Friction properties

• Friction coefficient (dynamic)μ (See graph)	0.45 ±0.05
• Wear rate (@ 79N, 7m/s) F.A.S.T	35-45mm^3/Kwh
• F.A.S.T. test conditions (max temperature)	
F=79N v=7m/s t=90min	<250°C
F=100N v=7m/s t=	
F=100N v=11m/s t=80min	<325°C
• Recommended operating temperatures (max) :	
Continuous operation	250 °C
Intermittent operation	350 °C

GRAPH μ (FRICTION COEFFICIENT) VS TEMPERATURE @79N/7 M/S

