

ID Material: 25
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FAG/M

Description

FAG/M is developed for industrial applications, it is a rigid and molded friction material. The most known characteristics of this material it's hardness and mechanical strength. The material comprises mainly of phenolic resins with NBR bonding system, short fibres, friction modifiers, metal particles and fillers. FAG/M is fully cured and is suitable for bonding and riveting.

Material table

Fiction properties

Dynamic Friction Coefficient (@79N, 7m/s):	0.40±0.05	μ
Wear Rate (@79N, 7m/s):	40±10	mm ³ /Kwh
T ^o Fading (@100N, 11.5m/s):	310±10	°C

Physical properties

Hardness (DIN53505):	87±5	Shore-D
Specific Gravity (ASTM D792-91):	1.85±0.05	gr/cm ³

Mechanical properties

Tensile Strength (ASTM D638-10):	12±5	N/mm ²
Compressive Strength (UNE 53205):	160±5	N/mm ²

Recommended Working Values

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

Material type : Rigid material

Appearance



Formats



Applications

Brake blocks - Callipers for industrial applications - Electro-magnetic brakes - Forging machinery - Gear discs for industrial devices - Heavy-duty industrial machinery - Industrial clutches - Rings segments for machinery - Rings segments for Presses -

Price Level : € € €

Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

Others

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

Recommended Adhesives: Thermosetting adhesive

Oil Resistant: Yes

Friction coefficient (μ) vs Temperature (°C) @80psi 7m/s

