



ID MATERIAL: 25
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REVISION: 5
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FRICTION MATERIAL:

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 are its 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

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.40±0.05	μ
Wear Rate (@79N, 7m/s)	40±10	mm ³ /kwh
T° 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° Max. Continuous Operation	250	°C
T° Max. Intermittent Operation	350	°C

MATERIAL TYPE Rigid mould friction material

APPEARANCE



FORMATS



APPLICATIONS

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

RECOMMENDED MATING SURFACE Perlitic cast iron, hardness HB150-200

OIL RESISTANT Yes

RECOMMENDED ADHESIVE Thermosetting adhesive

PRICE LEVEL € € €

REACH (EC)1907/2006 Compliance

RoHS 2011/65/EU Compliance

> LEGEND



Discs



Sheets



Finished Parts



Bonded

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

