

ID Material: 25  
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# FAG/M

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 data

### Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.50±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.52±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.47±0.05	μ
Wear Rate (10bar, 15m/s):	90±10	mm <sup>3</sup> /Kwh
T° Fading (10bar, 10m/s):	>350°C	°C

### Physical properties

Hardness (DIN53505):	87±5	Shore-D
Specific Gravity (ASTM D792-91):	1.85±0.05	gr/cm3

### Mechanical properties

Tensile Strength (ASTM D638-10):	15.2±2	N/mm <sup>2</sup>
Compressive Strength (UNE 53205):	160±5	N/mm <sup>2</sup>
Poisson Coefficient:	0.25±0.03	
Young Modulus (ASTMD 638-10):	5200±100	N/mm <sup>2</sup>

### Recommended Working Values

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

