Frenos Sauleda s.a.
science friction

Barri del migdia S/N - E 08396
Sant Cebrià de Vallalta (Barcelona - Spain)
sauleda@frenossauleda.com
Tel. (+ 34) 93 763 11 20 Fax (+ 34) 93 763 10 61

ID Material: 25
Rble: R. Antich
Revision: 5
Date: 17/03/2017

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 propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.50±0.05	µ
Static Friction Coefficient (15bar, 100ºC):	0.52±0.05	µ
Dynamic Friction Coefficient (10bar, 10m/s):	0.47±0.05	µ
Wear Rate (79N, 7m/s):	40±10	mm^3/Kwh
Tº 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/cm3

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 material

Appearance / Formats

Applications

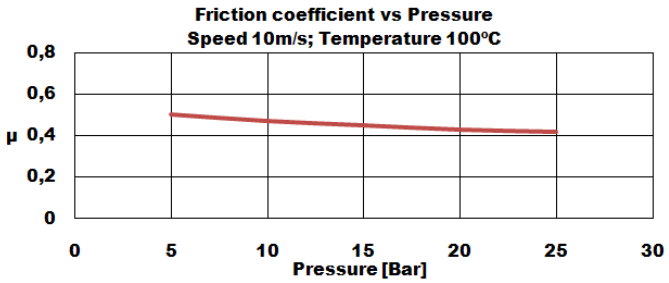
Brake blocks - Callipers for industrial applications - Electro-magnetic brakes - Forging machinery - Gear discs for industrial devices - Heavy-duty industrial machinery - Industrial clutches - Rings segments for machinery - Rings segments for Presses -

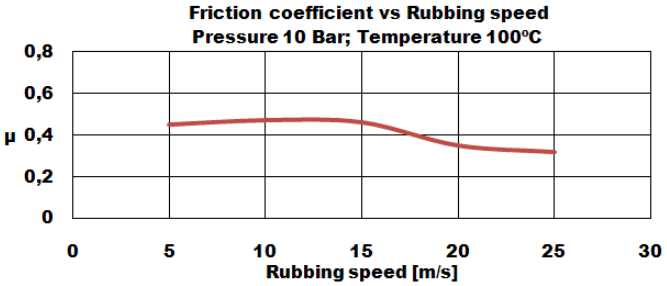
Price Level : € € €

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





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.