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

Responsable	R. Antich
Revision	1
Revision date	29/01/2024

FAG18/15

FAG18/15 is a green moulded friction material. The basic materials which are used are: phenol resins and rubber as a link system with frictional modifier agents, also contain aramind fibers and fine iron shavings to enhance its strength which help to establish the friction value by conducting heat from the operating surface. Offers excelent wear and temperature resistance, It is rigid material with good hardness and mechanical strength. FAG18/15 fully cured and is suitable for bonding and riveting.

Material data

Friction properties

Static Friction Coefficient (@15bar, from the box)	0.50±0.05 μ
Static Friction Coefficient (@15bar, 100ºC)	0.45±0.05 μ
Dynamic Friction Coefficient (10bar, 10m/s)	0.52±0.05
Wear Rate (@10bar, 15m/s)	30 (at 150 ºC)
Tº Fading (@10bar, 10m/s)	>450 °C

Physical properties

Hardness (DIN53505)	80±5 Shore-D
Specific Gravity (ASTM D792)	2.10±0.1 gr/cm3

Mechanical properties

Tensile Strength (ASTM D638)	15,2±2 N/mm²
Compressive Strength (ISO 844:2014)	160±5 N/mm²
Shear Modulus (ASTM D2344-00)	2100±100 N/mm²
Poison coefficient (ASTM D638)	0.26±0.03
Young Modulus (ASTM D638)	5220±100 N/mm²

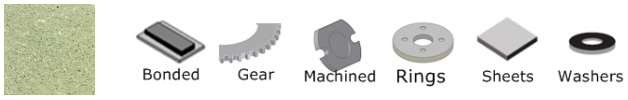
Recommended Working Values

Tº Max. Continuous Operation	400 °C
Tº Max. Intermittent Operation	>450 °C

Material type

Rigid

Appearance / Formats



Applications

Callipers for industrial applications · Clutch buttons · Friction washers · Heavy loaded Winches and Cranes · Heavy vehicle clutches · Heavy-duty industrial machinery

Price Level

€ € €

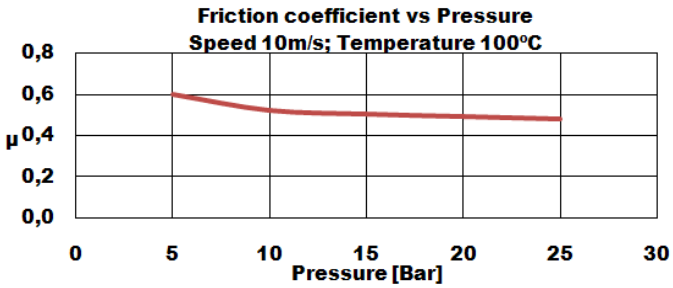
Reach (EC)1907/2023 - RoHS 2015/863/EU

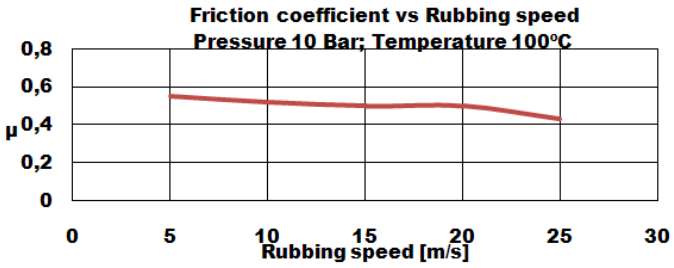
Yes

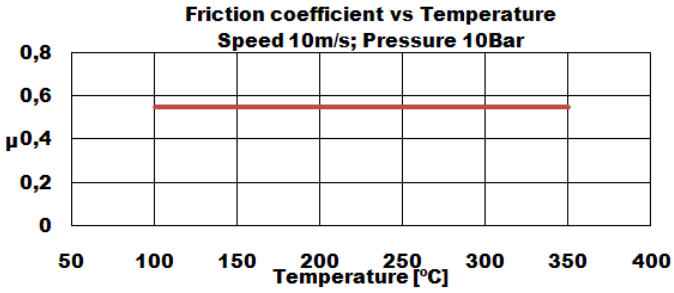
Others

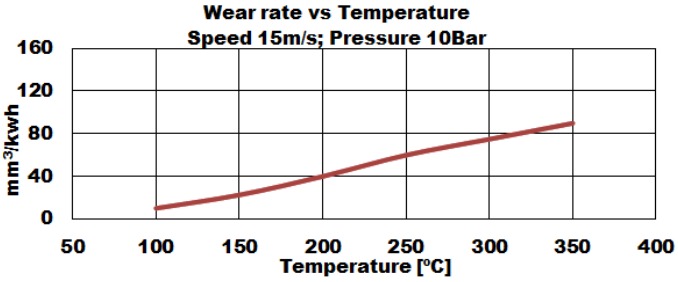
Recommended Mating Surface	Perlitic cast iron, hardness HB150-200
Recommended Adhesives	Thermosetting adhesive
Oil Resistant	Yes

Charts









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.