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: 27
Rble: R. Antich
Revision: 6
Last updated: 31/07/2021

GHFM

GHFM is a soft-flexible friction material that performs with a high friction coefficiency. Its flexibility allows it to work noiseless while producing a minimum wear on working surfaces. The material consists phenolic resins with a NBR rubber bonding system, short and brass fibres, friction modifiers and fillers. GHFM is fully cured and suitable for bonding and riveting.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.65±0.05	μ
Static Friction Coefficient (15bar, 100ºC):	0.50±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>350	°C

Physical properties

Hardness (DIN53505):	55±5	Shore-D
Specific Gravity (ASTM D792):	1.7±0.05	gr/cm3
Thermal Conductivity (ASTM E1952):	0.33±0.01	W/m°K

Mechanical properties

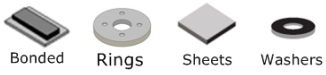
Tensile Strength (ASTM D638):	3±1	N/mm^2
Compressive Strength (ISO 844:2014):	190±5	N/mm^2
Shear Modulus (ASTM D2344-00):	190±10	N/mm^2
Poisson Coefficient (ASTM D638):	0.34±0.03	
Young Modulus (ASTM D638):	504±100	N/mm^2

Recommended Working Values

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

Material type : Flexible material

Appearance / Formats



Applications

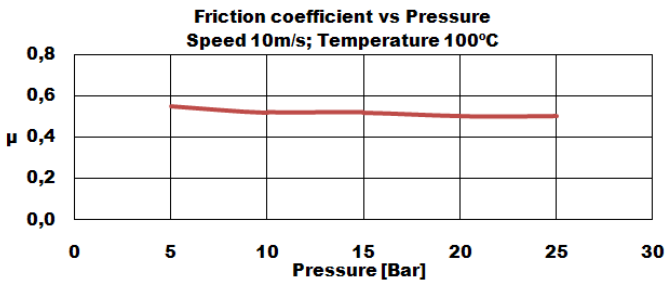
Callipers for industrial applications - Heavy loaded Winches and Cranes - Static brakes

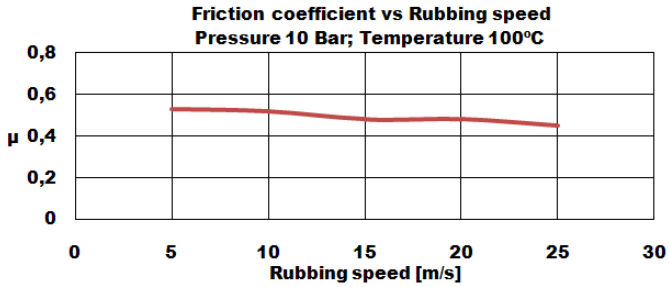
Price Level : € € €

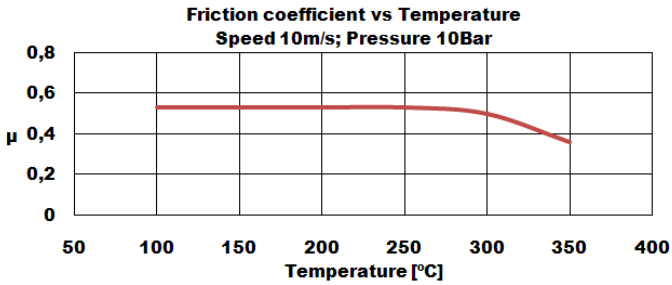
Reach (EC)1907/2023 - RoHS 2015/863/EU : Compliance

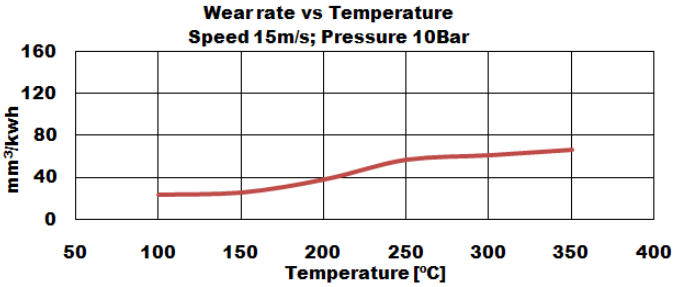
Others

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.