Frenos Sauleda s.a.
science friction

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ID Material: 89
Rble: R. Antich
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SA80/25

SA80/25 is a non-asbestos and moulded friction material. With a low friction coefficient and good resistance against wear. It is composed basically of resins as a link system with frictional modifier agents and mineral fibres to enhance its strength which helps to establish the friction coefficient value. It is black. It is a fully cured material and is suitable for both bonding and riveting.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.39±0.05	µ
Static Friction Coefficient (15bar, 100ºC):	0.35±0.05	µ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>250	°C

Physical properties

Hardness (DIN53505):	70 – 75	Shore-D
Specific Gravity (ASTM D792):	1,65±0.05	gr/cm3
Ignition Loss (ASTM D7348):	34 – 38	%
Acetone Extraction (ASTM D494):	2±0.2	%

Mechanical properties

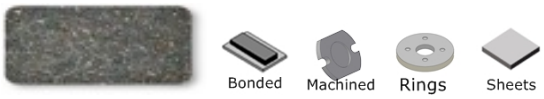
Tensile Strength (ASTM D638):	16±5	N/mm^2
Compressive Strength (ISO 844:2014):	100±5	N/mm^2
Young Modulus (ASTM D638):	3800±100	N/mm^2

Recommended Working Values

T° Max. Continuous Operation:	200	°C
T° Max. Intermittent Operation:	250	°C

Material type : Rigid material

Appearance / Formats



Applications

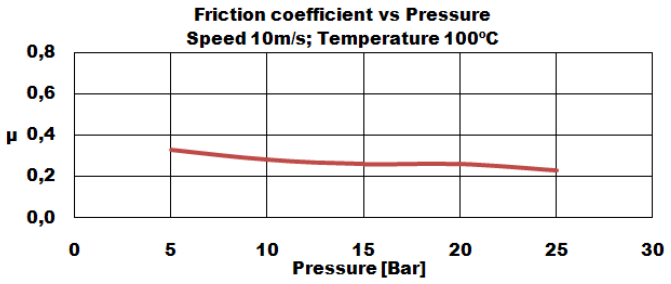
Continuous brakes - Miscellaneous industrial brakes / clutches

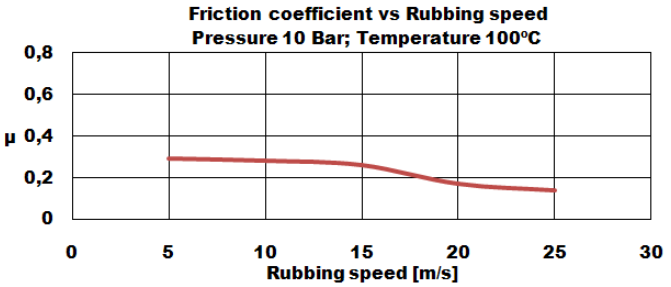
Price Level : € € €

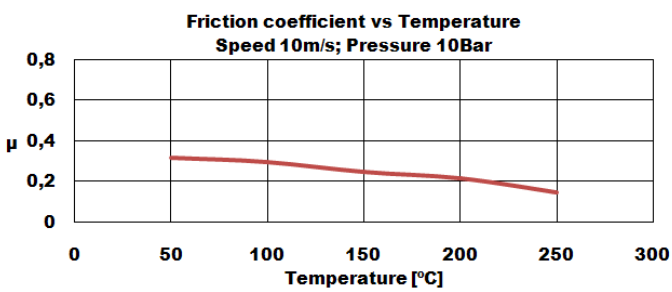
Reach (EC)1907/2023 - RoHS 2015/863/EU : Compliance

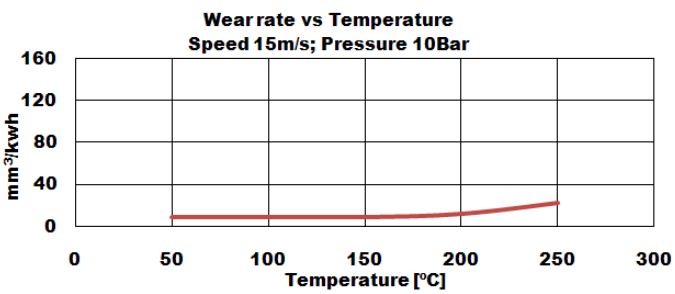
Others

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.