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: BJ
Rble: R.Antich
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SA65

SA65 is a rigid and free metal parts friction material and is developed for industrial Applications. It's composed of resins and rubber as a link system, with friction modifier agents for have the highest friction coeficient. It resists high energy inputs and it is a preffectlly suitable for dry Applications. SA65 is fully cured material and is suitable for bonding & rivetting.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.55±0.05	µ
Static Friction Coefficient (15bar, 100ºC):	0.60±0.05	µ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>350	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	2.0±0.1	gr/cm3
Ignition Loss (ASTM D7348):	40±2	%
Acetone Extraction (ASTM D494):	0.15±0.02	%

Mechanical properties

Tensile Strength (ASTM D638):	25±5	N/mm^2
Compressive Strength (ISO 844:2014):	180±5	N/mm^2

Recommended Working Values

T° Max. Continuous Operation:	350	°C
T° Max. Intermittent Operation:	450	°C

Material type : Rigid material

Appearance / Formats

Applications

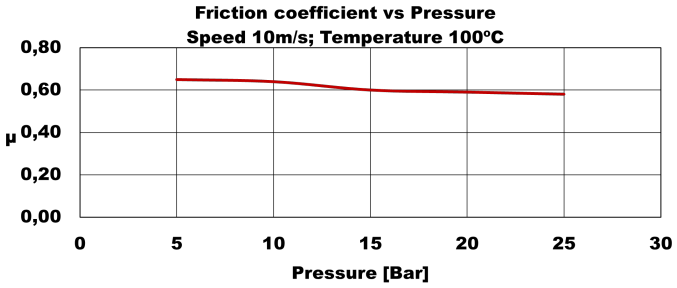
Brake pads - Callipers for industrial applications - Heavy duty static applications - Heavy-duty industrial machinery - Industrial clutches - Mining industries - Rotor Brake

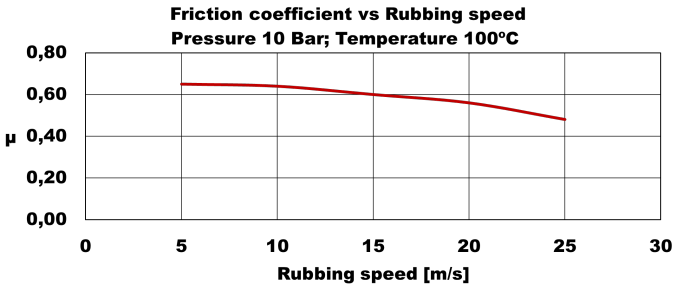
Price Level : € € €

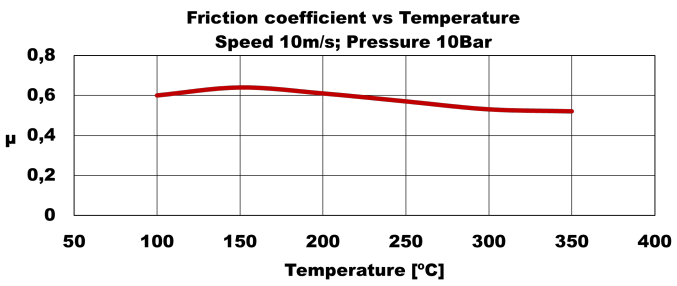
Reach (EC)1907/2023 - RoHS 2015/863/EU : Compliance

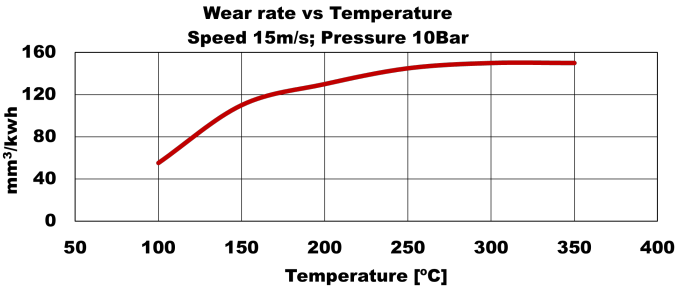
Others

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.