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: 24
Rble: R. Antich
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SA80/05

SA80/0.5 is a rigid and molded friction material and is developed for industrial applications The most noted characteristic of this material is the high coefficient. SA80/0.5 is fully cured and 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):	0.60±0.05	µ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>350	°C

Physical properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792):	1.85±0.05	gr/cm3
Ignition Loss (ASTM D7348):	45±2	%
Acetone Extraction (ASTM D494):	2±0.2	%
Thermal Conductivity (ASTM E1952):	0.4±0.01	W/m°K

Mechanical properties

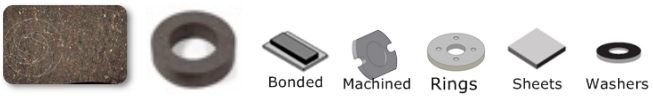
Tensile Strength (ASTM D638):	9±5	N/mm^2
Compressive Strength (ISO 844:2014):	102±5	N/mm^2
Poisson Coefficient (ASTM D638):	0.23±0.03	
Young Modulus (ASTM D638):	2413±100	N/mm^2

Recommended Working Values

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

Material type : Rigid material

Appearance / Formats



Applications

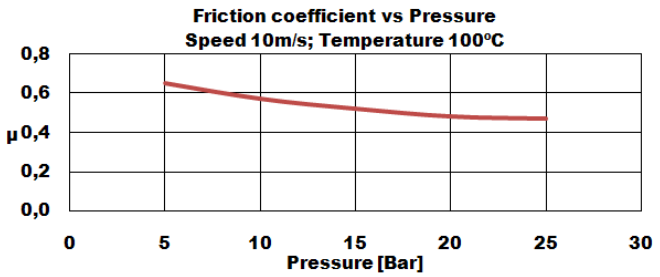
Brake pads - Electro-magnetic brakes - Friction washers - Industrial clutches - Static brakes - Torque limitator -

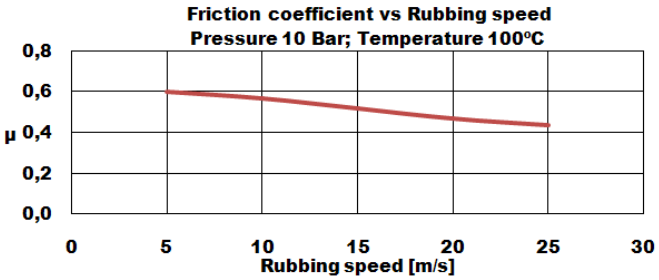
Price Level : € € €

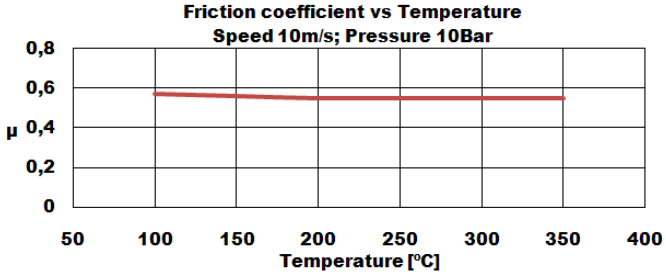
Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

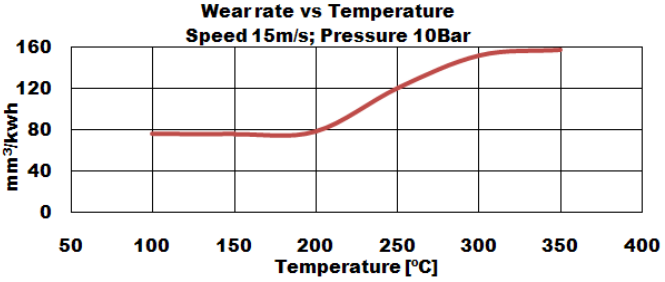
Others

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.