

ID Material: 4
Rble: R. Antich
Revision: 6
Date: 17/03/2017

SA92

SA92 is a Frenos Sauleda standard formulation which is suitable for light medium duty. It is a rigid material, with low wear and very stable friction performance. The material main composition is phenol resins with a NBR bonding system, short fibres, friction modifiers and fillers. SA92 is fully cured and suitable for bonding and riveting.

Material data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.45±0.05	μ
Wear Rate (10bar, 15m/s):	120±10	mm ³ /Kwh
T° Fading (10bar, 10m/s):	>350°C	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792-91):	1.8±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952-01):	0.44±0.01	W/m ² K
Shear resistance (ISO 6312:2001):	22±2	N/mm ²

Mechanical properties

Tensile Strength (ASTM D638-10):	14±5	N/mm ²
Compressive Strength (UNE 53205):	140±5	N/mm ²
Poisson Coefficient:	0.27±0.03	
Young Modulus (ASTMD 638-10):	3896±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

Agricultural and building machinery - Callipers for industrial applications - Cones segments for machinery - Friction washers - Gear discs for industrial devices - Industrial clutches - Rings segments for machinery -

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

