



ID MATERIAL: 4
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REVISION: 5
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FRICTION MATERIAL:

SA92

> DESCRIPTION

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 consists phenol resins with a NBR bonding system, short fibres, friction modifiers and fillers. SA92 is fully cured and suitable for bonding and riveting.

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.45±0.05	μ
Wear Rate (@79N, 7m/s)	60±10	mm ³ /kwh
T ^o Fading (@100N, 11.5m/s)	310±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	85±5	Shore-D
Specific Gravity (ASTM D792-91)	1.8±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	43±2	%
Acetone Extraction ISO2859-1	2±0.2	%
Thermal Conductivity (ASTM E1952-01)	0.44±0.01	w/m ^o K
> 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 ^o Max. Continuous Operation	250	°C
T ^o Max. Intermittent Operation	350	°C

MATERIAL TYPE Rigid mould friction material

APPEARANCE



FORMATS



APPLICATIONS

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

RECOMMENDED MATING SURFACE

Perlitic cast iron, hardness HB150-200

OIL RESISTANCE

Yes

RECOMMENDED ADHESIVE

Thermosetting adhesive

PRICE LEVEL

€ € €

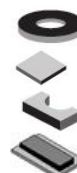
REACH (EC)1907/2006

Compliance

RoHS 2011/65/EU

Compliance

> LEGEND



Discs

Sheets

Finished Parts

Bonded

Friction coefficient (μ) vs Temperature (°C) @80psi 7m/s

