

ID Material: BJ
Rble: R.Antich
Revision: 1
Last updated: 07/03/2023

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 coefficient. It resists high energy inputs and it is a perfectly 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, 100°C):	0.60±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T ^o Fading:	>350	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	2.0±0.1	gr/cm ³
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 ^o Max. Continuous Operation:	350	°C
T ^o 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)1907/2006 - RoHS 2011/65/EU : Compliance

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200

Recommended Adhesives: Thermosetting adhesive

Oil Resistant: Yes

