

ID Material: B2
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Revision: 0
Last updated: 19/06/2018

SA18/04

This is a semi-rigid and semi-metallic moulded friction material. It is composed basically of resins and rubber as a link system with frictional modifier agents, mineral fibres and fine iron shavings to enhance its strength which help to establish the friction value by conducting heat from the operating surface. It is black with iron shavings. It has high and very stable friction coefficient with medium wear and excellent resistance to fading. It is suitable for both bonding and riveting.

Material data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.40±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.50±0.05	μ
Wear Rate (10bar, 15m/s):	85±10	mm ³ /Kwh
T ⁹ Fading (10bar, 10m/s):	>400°C	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792-91):	2.15±0.05	gr/cm ³
Ignition Loss (ASTM D-2524):	43±2	%
Acetone Extraction ISO2859-1:	3±0.2	%

Mechanical properties

Recommended Working Values

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

Material type : Rigid material

Appearance / Formats



Applications

Brake blocks - Callipers for industrial applications - Forging machinery - Gear discs for industrial devices - Heavy-duty industrial machinery - Mining industries - Miscellaneous industrial brakes / clutches - Punch-die press blocks - Ring segments - Torque limiter -

Price Level : € € €

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

Others

Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive
Oil Resistant:	Yes

