

ID Material: 23
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SAFF

Description

SAFF is green rigid molded friction material, which offers a very high friction coefficient. This material is reinforced with glass fibers and has a good mechanical resistance. The material consists phenolic resins with a NBR bonding system, short and large fibres, friction modifiers and fillers. SAFF is fully cured and suitable for bonding and riveting.

Material table

Fiction properties

Dynamic Friction Coefficient (@79N, 7m/s):	0.50±0.05	μ
Wear Rate (@79N, 7m/s):	90±10	mm ³ /Kwh
T° Fading (@100N, 11.5m/s):	320±10	°C

Physical properties

Hardness (DIN53505):	88±5	Shore-D
Specific Gravity (ASTM D792-91):	1.8±0.05	gr/cm3
Ignition Loss (ASTM D-2524):	40±2	%
Acetone Extraction ISO2859-1:	0.15±0.02	%

Mechanical properties

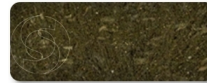
Tensile Strength (ASTM D638-10):	15±5	N/mm ²
Compressive Strength (UNE 53205):	175±5	N/mm ²

Recommended Working Values

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

Material type : Rigid material

Appearance



Formats



Applications

Industrial clutches - Rings segments for machinery - Torque limiter -

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

