

ID Material: 23
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SAFF

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 data

Friction properties (according graphics)

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 -

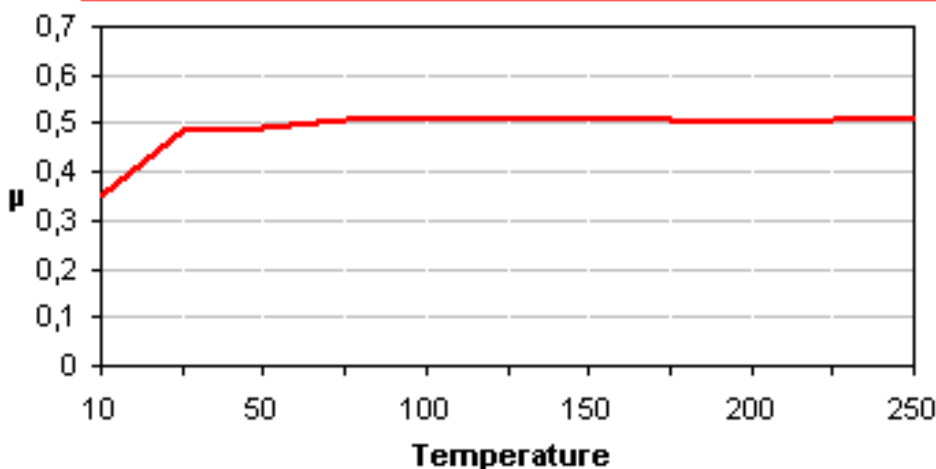
Price Level : € € €

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

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



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.