

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 <sup>3</sup> /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 <sup>2</sup>
Compressive Strength (UNE 53205):	175±5	N/mm <sup>2</sup>

### 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 -

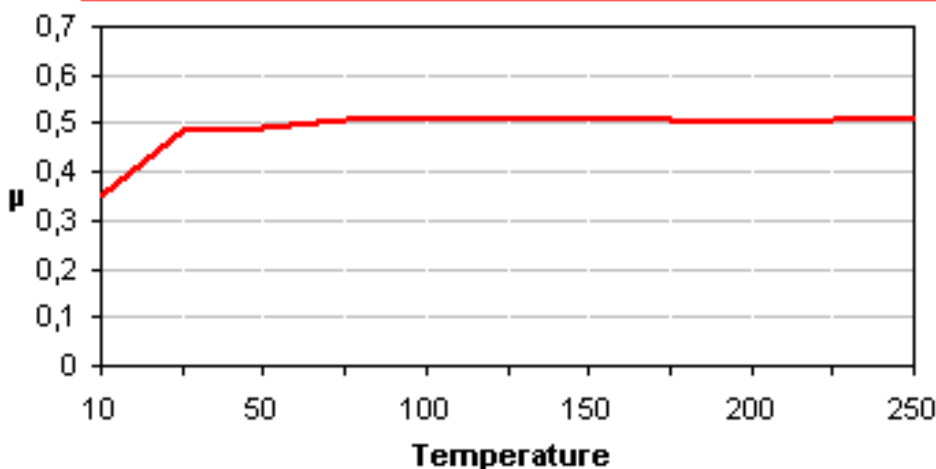
Price Level : € € €

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.