

# SA80/10

ID Material: 17  
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Revision: 5  
Last updated: 15/06/2018

SA80/10 is a rigid molded friction material with excellent mechanical characteristics and medium friction coefficient. SA80/10 is fully cured and suitable for bonding and riveting.

## Material data

### Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.48±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.46±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.48±0.05	μ
Wear Rate (10bar, 15m/s):	85±10	mm <sup>3</sup> /Kwh
T° Fading (10bar, 10m/s):	>350°C	°C

### Physical properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792-91):	1.85±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D-2524):	40±2	%
Acetone Extraction ISO2859-1:	1±0.2	%

### Mechanical properties

Tensile Strength (ASTM D638-10):	11±5	N/mm <sup>2</sup>
Compressive Strength (UNE 53205):	104±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

Brake pads - Callipers for industrial applications - 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

