



ID MATERIAL: 18
RBLE: R. ANTICH
REVISION: 5
DATE: 23/05/2014

FRICTION MATERIAL:



SA80/20

> DESCRIPTION

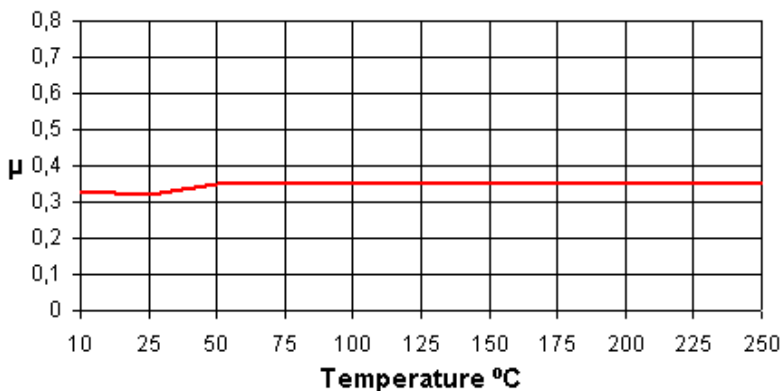
SA80/20 is black rigid friction material based on graphite with a medium low friction coefficient, offers low wear and silent operation. The material consists phenolic resins as a bonding system, short fibers, friction lubricants and fillers. SA80/20 is fully cured and suitable for bonding and riveting.

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.35±0.05	μ
Wear Rate (@79N, 7m/s)	34±10	mm ³ /kwh
T ^o Fading (@100N, 11.5m/s)	280±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	75±5	Shore-D
Specific Gravity (ASTM D792-91)	1.8±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	36±2	%
Acetone Extraction ISO2859-1	1.85±0.2	%
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	16±5	N/mm ²
Compressive Strength (UNE 53205)	83±5	N/mm ²
> RECOMMENDED WORKING VALUES		
T ^o Max. Continuous Operation	250	°C
T ^o Max. Intermittent Operation	350	°C

MATERIAL TYPE	Rigid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Continuous brakes • Callipers for industrial applications • Friction washers • Brake pads • Torque limiter
RECOMMENDED MATING SURFACE	Perlitic cast iron, hardness HB150-200
OIL RESISTANCE	Yes
RECOMMENDED ADHESIVE	Thermosetting adhesive
PRICE LEVEL	€ € €
REACH (EC)1907/2006	Compliance
RoHS 2011/65/EU	Compliance

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



> LEGEND

