



ID MATERIAL: 16
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:

SA80/M

> DESCRIPTION

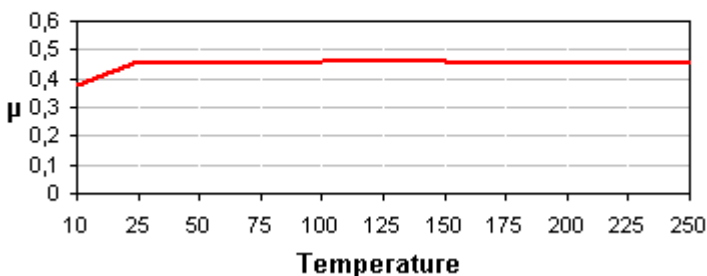
SA80/M is grey molded friction material with a medium high friction coefficient reinforced with metal components. This material is recommended for machining, having excellent friction characteristics. The material consists phenolic resins with NBR bonding system, short fibres, friction modifiers, metal particles and fillers. SA80/M is fully cured and suitable for bonding and riveting.

> MATERIAL TABLE

| > FRICTION PROPERTIES | Value | Unit |
|---|-----------|----------------------|
| Dynamic Friction Coefficient (@79N, 7m/s) | 0.45±0.05 | μ |
| Wear Rate (@79N, 7m/s) | 70±10 | mm ³ /kwh |
| T° Fading (@100N, 11.5m/s) | 310±10 | °C |
| > PHYSICAL PROPERTIES | | |
| Hardness (DIN53505) | 85±5 | Shore-D |
| Specific Gravity (ASTM D792-91) | 1.85±0.05 | gr/cm ³ |
| Ignition Loss (ASTM D-2524) | 43±2 | % |
| Acetone Extraction ISO2859-1 | 2±0.2 | % |
| > MECHANICAL PROPERTIES | | |
| Tensile Strength (ASTM D638-10) | 12±5 | N/mm ² |
| Compressive Strength (UNE 53205) | 110±5 | N/mm ² |
| > RECOMMENDED WORKING VALUES | | |
| T° Max. Continuous Operation | 250 | °C |
| T° Max. Intermittent Operation | 350 | °C |

| | |
|-----------------------------------|--|
| MATERIAL TYPE | Rigid mould friction material |
| APPEARANCE |  |
| FORMATS |  |
| APPLICATIONS | <ul style="list-style-type: none"> • Callipers for industrial applications • Frictions washers • Miscellaneous industrial brakes / clutches • 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

