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| | |
|---|---|
| ID Material | 17 |
| Responsable | R. Antich |
| Revision | 6 |
| Revision date | 04/08/2021 |

# SA80/10

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

| | |
|---|---|
| Static Friction Coefficient (@15bar, from the box) | 0.48±0.05 μ |
| Static Friction Coefficient (@15bar, 100ºC) | 0.46±0.05 μ |
| Dynamic Friction Coefficient (10bar, 10m/s) | 0.48±0.05 |
| Wear Rate (@10bar, 15m/s) | 25 (at 150 ºC) |
| Tº Fading (@10bar, 10m/s) | >350 °C |

### Physical properties

| | |
|---|---|
| Hardness (DIN53505) | 80±5 Shore-D |
| Specific Gravity (ASTM D792) | 1.85±0.05 gr/cm3 |
| Ignition Loss (ASTM D7348) | 40±2 % |
| Acetone Extraction (ASTM D494) | 1±0.2 % |

### Mechanical properties

| | |
|---|---|
| Tensile Strength (ASTM D638) | 11±5 N/mm² |
| Compressive Strength (ISO 844:2014) | 104±5 N/mm² |

### Recommended Working Values

| | |
|---|---|
| Tº Max. Continuous Operation | 250 °C |
| Tº Max. Intermittent Operation | 350 °C |

### Material type

Rigid

### Appearance / Formats




### Applications

Brake pads · Callipers for industrial applications · Torque limitator

### Price Level

€ € €

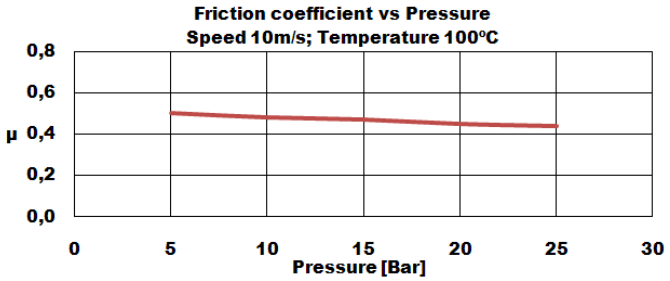
### Reach (EC)1907/2023 - RoHS 2015/863/EU

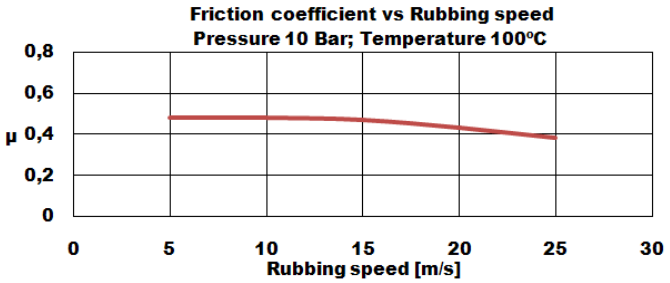
Compliance

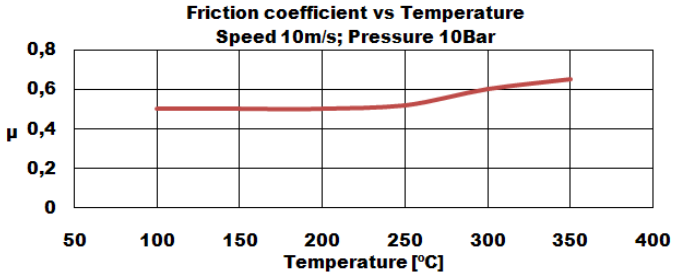
### Others

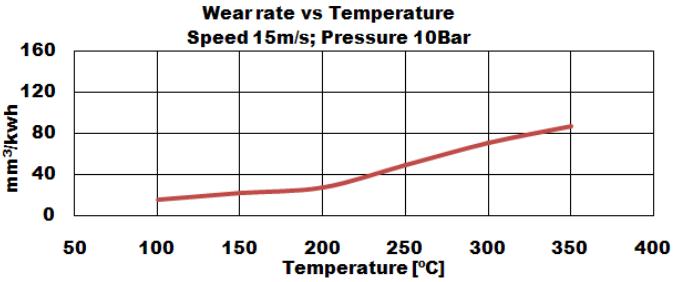
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|---|---|
| Recommended Mating Surface | Perlitic cast iron, hardness HB150-200 |
| Recommended Adhesives | Thermosetting adhesive |
| Oil Resistant | Yes |

## Charts




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.