

ID Material: 17  
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# 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 (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:                  | see charts |    |
| Wear Rate:                                     | see charts |    |
| T° Fading:                                     | >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/mm <sup>2</sup> |
| Compressive Strength (ISO 844:2014): | 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

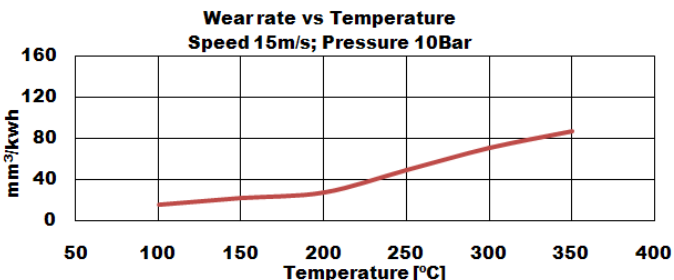
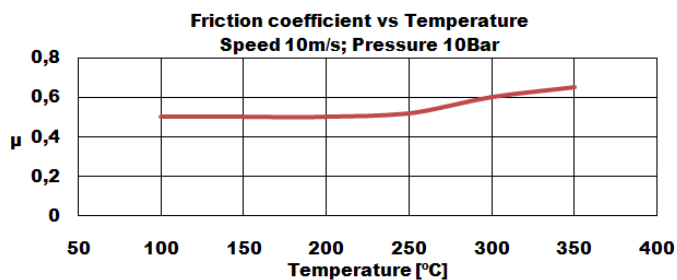
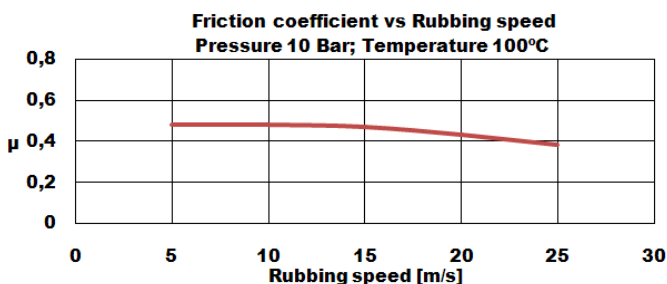
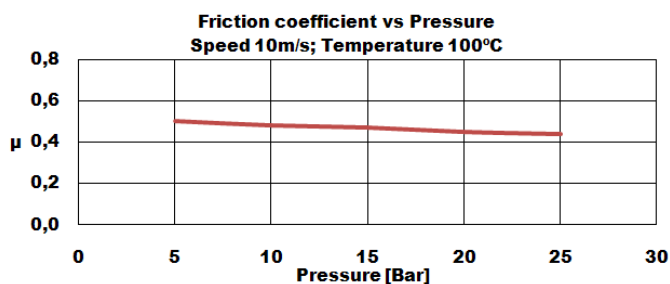
Brake pads - Callipers for industrial applications - Torque limiter

Price Level : € € €

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

### Others

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



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.