

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 ²
Compressive Strength (ISO 844:2014):	104±5	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

Material type : Rigid material

Appearance / Formats



Applications

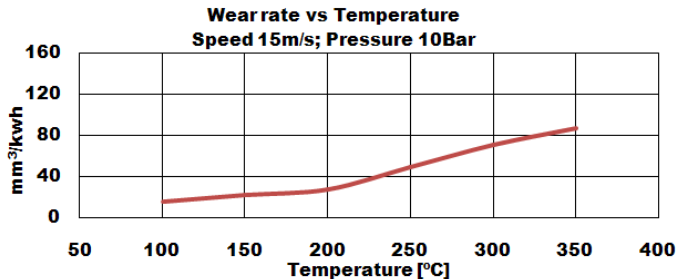
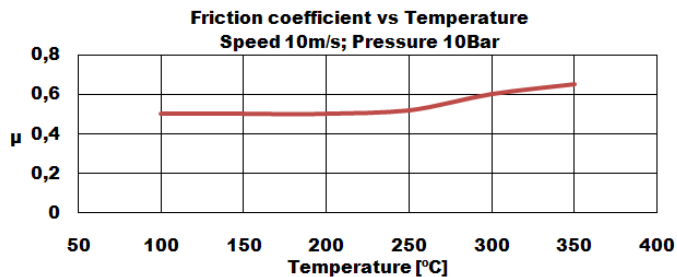
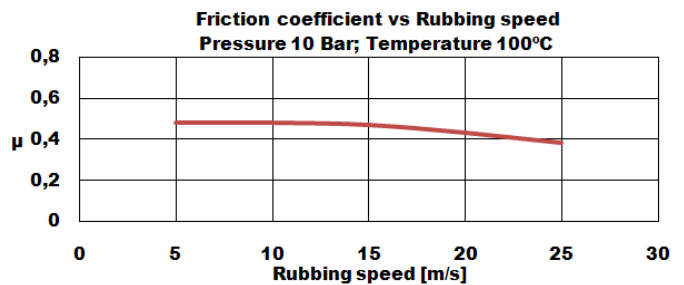
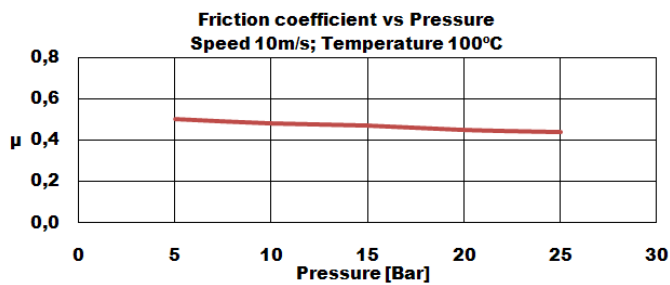
Brake pads - Callipers for industrial applications - Torque limiter

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.