

ID Material: c9
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SMR

The brake band SMR is a rubber based material, characterised by high flexibility and solidity. The material contains steel fibres. It is especially suitable for glue fixing and allows machining.

SMR is dark-grey, and its resistance to wear is excellent.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.40±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.40±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T ^º Fading:	>250	°C

Physical properties

Hardness (DIN53505):	65±5	Shore-D
Specific Gravity (ASTM D792):	2.3±0.5	gr/cm3

Mechanical properties

Tensile Strength (ASTM D638):	15±10	N/mm ²
Compressive Strength (ISO 844:2014):	130±10	N/mm ²

Recommended Working Values

T ^º Max. Continuous Operation:	250	°C
T ^º Max. Intermittent Operation:	350	°C
Max. pressure:	15	Bar
Max. Rubbing Speed:	15	m/s

Material type : Flexible material

Appearance / Formats



Applications

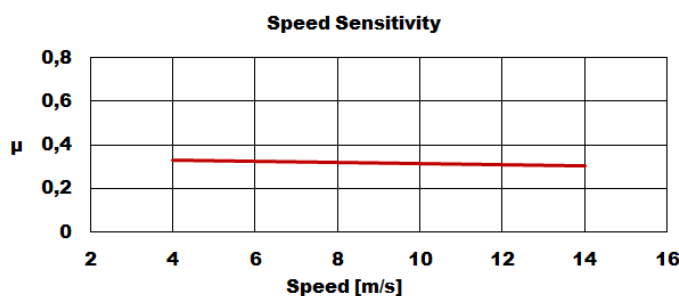
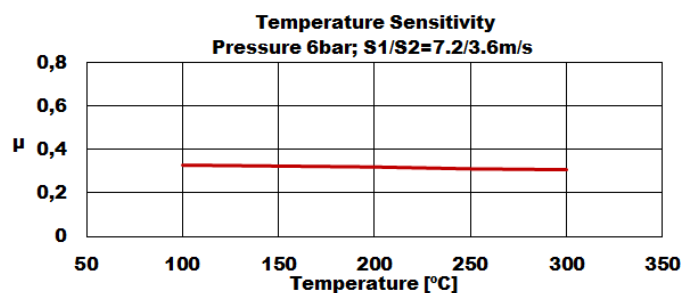
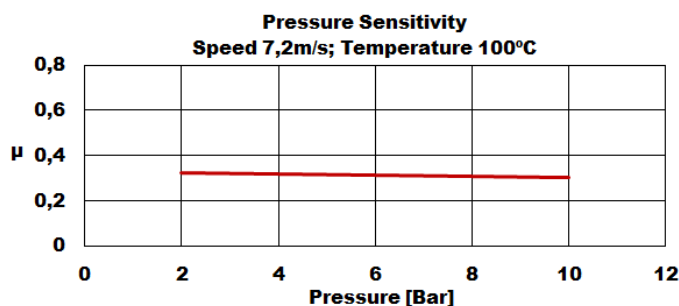
Agricultural and bulding machinery - Drum Brakes - Micellaneous industrial brakes / clutches

Price Level : € € €

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

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 others. The values shown represent typical conditions, but are not ultimate limits of the material