

ID Material: 50
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D3915

D3915 is a non-asbestos, semi-flexible friction material. It is available in roll. As with other materials from this range, D3915 is sufficiently flexible, when supplied in rolls, to make fitting to curved metal parts a relatively simple operation, after which the heat generated in service will increase its strength and stiffness.

The frictional characteristics of D3915 in both its initial flexible and rigid heat-treated states are virtually identical. It exhibits excellent temperature, wear resistance, and is quiet in operation.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, 100°C):	0.35±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>300	°C

Physical properties

Hardness (DIN53505):	65±5	Shore-D
Specific Gravity (ASTM D792):	1.70±0.05	gr/cm3
Thermal Conductivity (ASTM E1952):	0.51	W/m²K

Mechanical properties

Tensile Strength (ASTM D638):	7.5±2	N/mm²
Compressive Strength (ISO 844:2014):	45±5	N/mm²
Ultimate Shear Strenght (ASTM D732):	5.2±1	N/mm²

Recommended Working Values

T° Max. Continuous Operation:	150	°C
T° Max. Intermittent Operation:	250	°C
Max. Rubbing Speed:	25	m/s

Material type : Flexible material

Appearance / Formats



Rolls

Applications

Crane and excavator brakes and clutches - Industrial drum and band brakes - Miscellaneous industrial brakes / clutches

Price Level : € € €

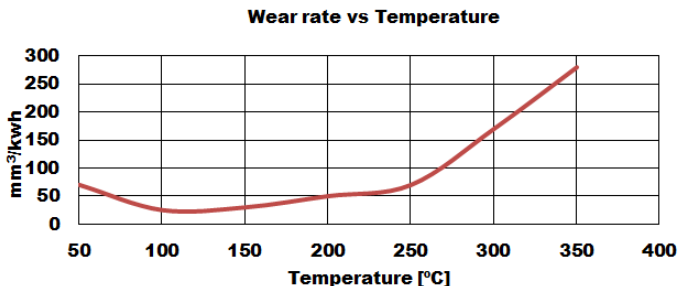
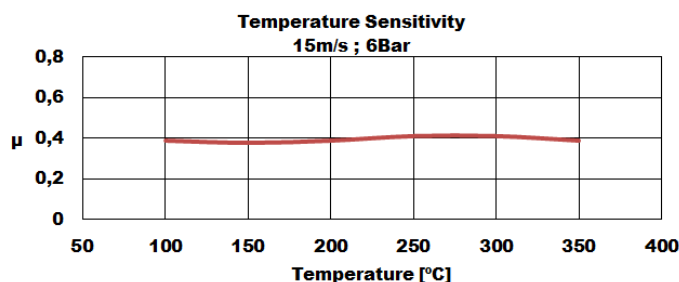
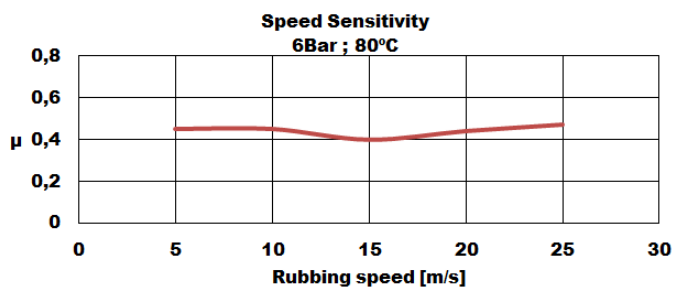
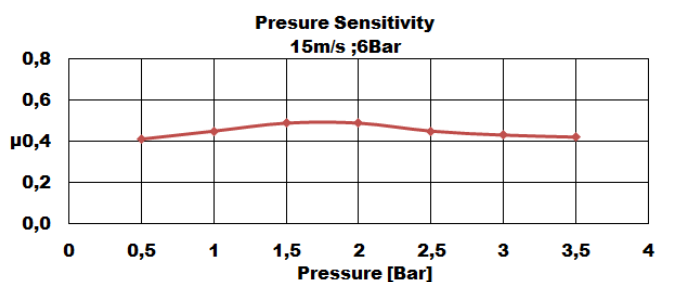
Reach (EC)1907/2023 - RoHS 2015/863/EU : Yes

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200

Recommended Adhesives: Thermosetting adhesive

Oil Resistant: No



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.