Frenos Sauleda s.a.
science friction

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ID Material	9
Responsable	R. Antich
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VH-03

VH-03 is the last generation of Sauleda clutch facings, with similar friction properties but higher stiffness. Smooth behaviour and very high temperature resistance. VH-03 is a woven material with glass fibre and is reinforced with copper. This clutch facing performs with very stable coefficient and resists temperature with a minimum wear.

Material data

Friction properties

Static Friction Coefficient (@15bar, from the box)	0.42±0.05 μ
Static Friction Coefficient (@15bar, 100ºC)	0.44±0.05 μ
Dynamic Friction Coefficient (10bar, 10m/s)	0.38±0.05
Wear Rate (@10bar, 15m/s)	30 (at 150 ºC)
Tº Fading (@10bar, 10m/s)	>350 °C

Physical properties

Hardness (DIN53505)	85±5 Shore-D
Specific Gravity (ASTM D792)	1.95±0.05 gr/cm3
Ignition Loss (ASTM D7348)	40±2 %
Thermal Conductivity (ASTM E1952)	0.33±0.03 W/m°K

Mechanical properties

Compressive Strength (ISO 844:2014)	120±5 N/mm²
Burst Resistant (200 x 137 x 3,5)@200ºC	12000±100 RPM

Recommended Working Values

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

Material type

Yarn

Appearance / Formats



Applications

Heavy vehicle clutches · Trucks clutches · Vehicles clutches

Price Level

€ € €

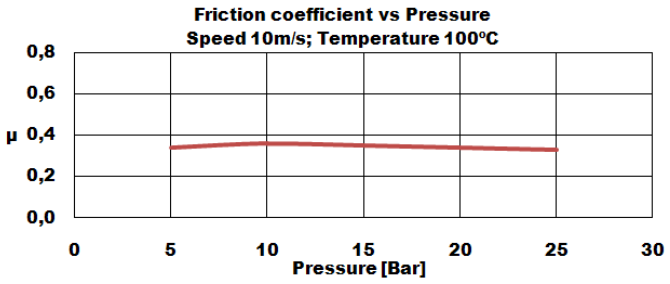
Reach (EC)1907/2023 - RoHS 2015/863/EU

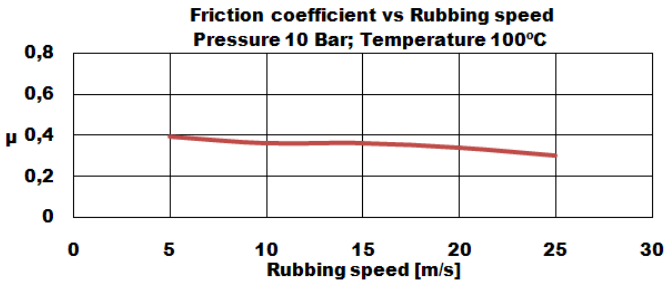
Compliance

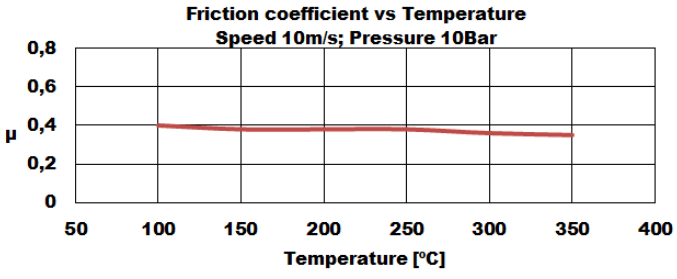
Others

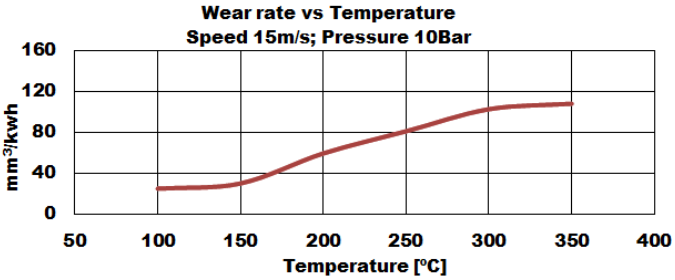
Recommended Mating Surface	Perlitic cast iron, hardness HB150-200
Recommended Adhesives	Thermosetting adhesive
Oil Resistant	Yes

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.