

ID Material: 9  
Rble: R. Antich  
Revision: 6  
Last updated: 06/10/2022

# 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 (according graphics)

Static Friction Coefficient (15bar, from box):	0.42±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.44±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>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/m²K

### Mechanical properties

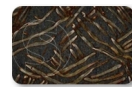
Compressive Strength (ISO 844:2014):	120±5	N/mm²
Burst Resistant (200 x 137 x 3,5) 200°C:	12000±100	RPM

### Recommended Working Values

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

Material type : Woven yarn

### Appearance / Formats



### Applications

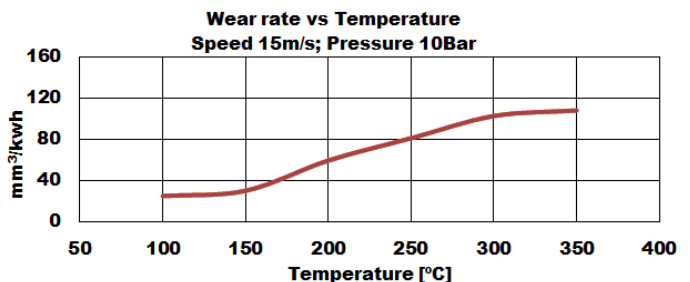
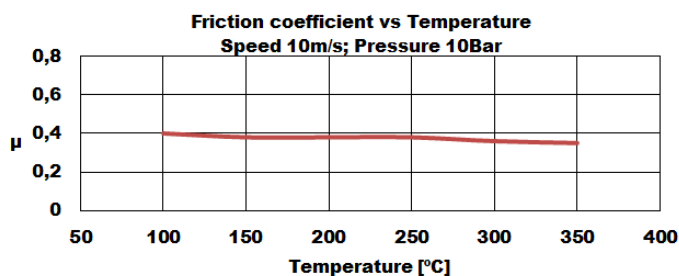
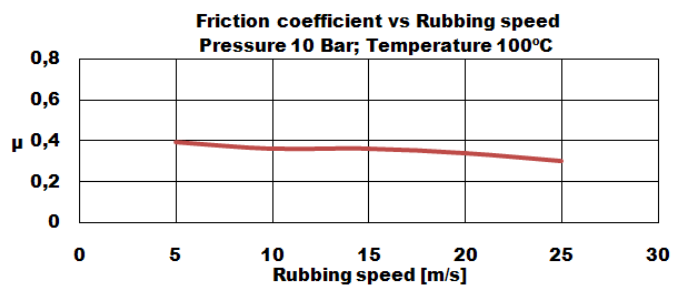
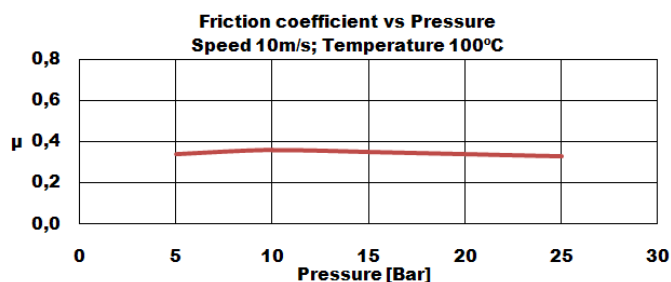
Heavy vehicle clutches - Trucks clutches - Vehicles clutches

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



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.