

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

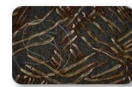
| | | |
|------------------------------------------|-----------|-------|
| Compressive Strength (ISO 844:2014): | 120±5 | N/mm² |
| Burst Resistant (200 x 137 x 3,5) 200°C: | 12000±100 | RPM |

Recommended Working Values

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

Material type : Woven yarn

Appearance / Formats



Applications

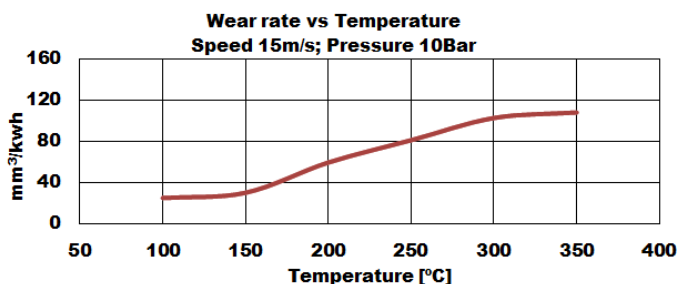
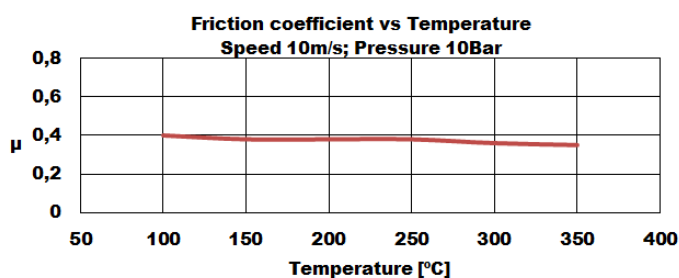
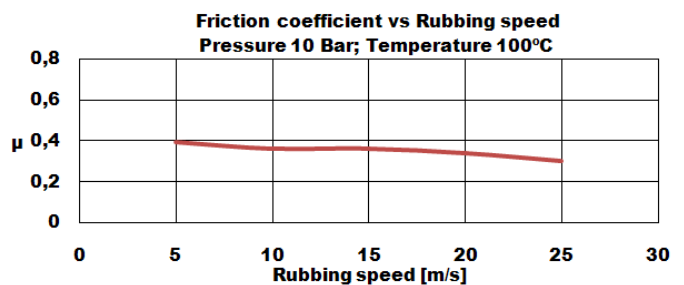
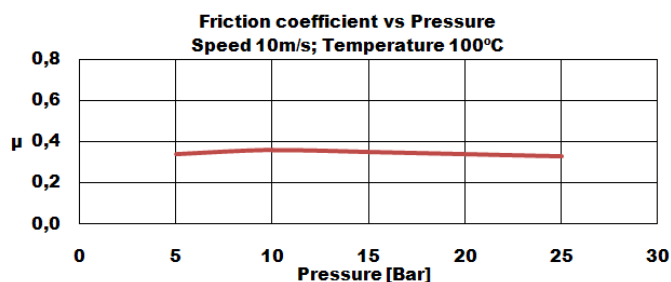
Heavy vehicle clutches - Trucks clutches - Vehicles clutches

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.