

ID Material: 9  
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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 (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 (10bar, 10m/s):   | 0.38±0.05 | μ                    |
| Wear Rate (79N, 7m/s):                         | 50±10     | mm <sup>3</sup> /Kwh |
| T° Fading (100N, 11.5m/s):                     | 320±10    | °C                   |

### Physical properties

|                                       |           |                    |
|---------------------------------------|-----------|--------------------|
| Hardness (DIN53505):                  | 85±5      | Shore-D            |
| Specific Gravity (ASTM D792-91):      | 1.95±0.05 | gr/cm <sup>3</sup> |
| Ignition Loss (ASTM D-2524):          | 40±2      | %                  |
| Thermal Conductivity (ASTM E1952-01): | 33±0.01   | W/m <sup>2</sup> K |

### Mechanical properties

|  |           |                   |
|--|-----------|-------------------|
| Compressive Strength (UNE 53205):        | 120±5     | N/mm <sup>2</sup> |
| 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

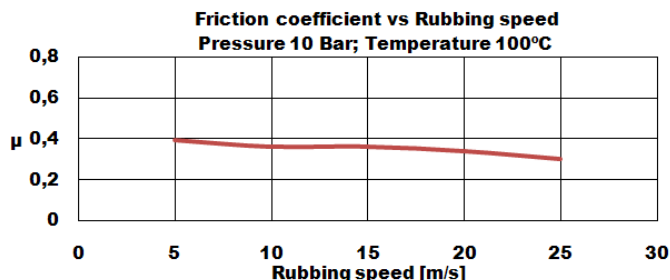
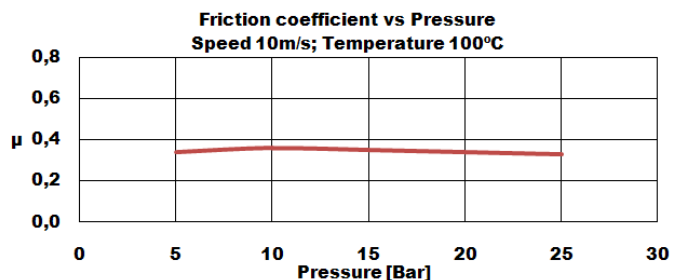
Heavy vehicle clutches - Trucks clutches - Vehicles clutches -

Price Level : € € €

Reach (EC)1907/2006 - RoHS 2011/65/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.