



ID MATERIAL: 9  
RBLE: R. ANTICH  
REVISION: 5  
DATE: 23/05/2014

FRICTION MATERIAL:

# VH-03

### > DESCRIPTION

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 TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.40±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)	1.85±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D-2524)	40±2	%
Acetone Extraction ISO2859-1	2±0.2	%
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 friction material

**APPEARANCE**



**FORMATS**



**APPLICATIONS**

- Heavy vehicle clutches
- Vehicle clutches
- Truck clutches

**RECOMMENDED MATING SURFACE** Perlitic cast iron, hardness HB150-200

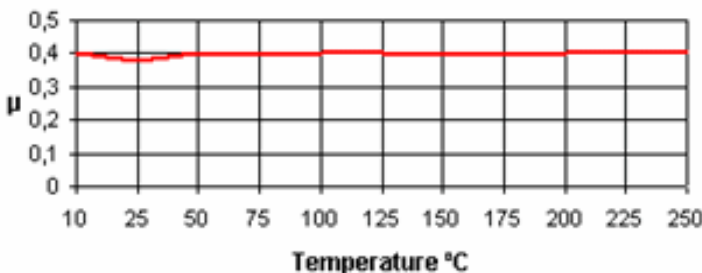
**RECOMMENDED ADHESIVE** Thermosetting adhesive

**PRICE LEVEL** €€€

**REACH (EC)1907/2006** Compliance

**RoHS 2011/65/EU** Compliance

Friction coefficient (μ) vs Temperature (°C) @80psi 7m/s



### > LEGEND



Discs



Sheets



Finished Parts



Bonded



Grooved



Drilled