

# VETRONIT G11-C 20

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Rev.1

## Vaneline

### General description

Vetronit G11-C 20 is a laminate made of glass fabric bonded with special epoxy resin mixture. It has a temperature index of 180°C.

### Colour

Black

### Application

Vanes for compressors / vacuum pumps

Vane inserts

Stop ledges

Wear strips

Bearing pads

### RoHS Directive

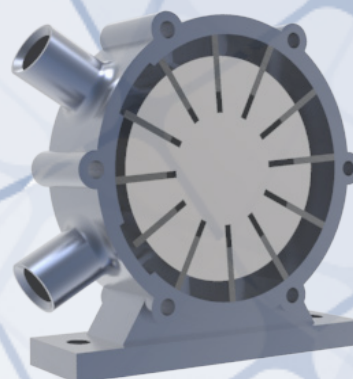
Hazardous products listed in the EU-directive 2011/65/EU, annex II, are not used as ingredients in this material.

► High Pressure Laminate with excellent mechanical strength even at elevated temperatures

► Improved sliding properties

► Meets temperature class H

*This material has been specially developed by Von Roll for rotary vane pumps & compressors.*



		Value	Test norm
<b>Mechanical properties</b>			
Flexural strength	MPa	520	ISO 178
Modulus of elasticity	MPa	22000	ISO 178
Flatwise compressive strength	MPa	550	ISO 604
Compressive strength at 23°C	MPa	250	ISO 604
Edgewise notched impact strength Charpy	kJ/m2	70	ISO 179
Flexural strength at 150°C/1h	MPa	300	ISO178
Tensile strength	MPa	330	ISO 527
<b>Thermal properties</b>			
Temperature index (IT)	°C	180	IEC 60216
Coefficient of linear expansion	1.0E-6 / K	15	VDE 0304
<b>Physical properties</b>			
Density	g/cm <sup>3</sup>	1.89	ISO 1183
Water absorption 24h 23°C	mg / %	8 / 0.5	ISO 62

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