

TECATHERM VE-R-G300

1. Name and Compound

TECATHERM VE-R-G300

Vinylester with 45% (weight-%) glass fibre reinforcement, flame retardant

Density: 1,86±0,05 g/cm³

2. Mechanical Properties

dry as moulded, mean values at 23°C			machined samples *
Tensile strength	ISO 527	MPa	≥ 120
Flexural strength	ISO 178	MPa	≥ 200
Modulus of elasticity in flexion	ISO 178	MPa	≥ 13000
Impact strength	ISO 179	kJ/m ²	≥ 100

* For profiles, it is not possible to give values valid for all sizes, because the properties are also dependent on the geometry of the profiles (thickness, height, etc.) and on the orientation of the glass fibres!

3. Thermal Properties

Thermal conductivity, design thermal value $\lambda_{90/90}$ (in transverse direction)	DIN EN ISO 10456	0,47 W/m·K
Coefficient of linear thermal expansion (in longitudinal direction)	DIN 7735	1 - 2 * 10 ⁻⁵ /K
Glass transition temperature of resin base	ISO 537	130° C
Maximum service temperature	short term long term	220° C 130 - 155° C

These details are based on our current knowledge. Therefore it is not intended to assure legally binding or to guarantee the nature of the products, the trade capability of the products and the suitability for a certain use. We reserve the right of technical alterations.