

TECNOPRENE® VK6HIT1

Polypropylene, homopolymer. 31% glass fiber reinforced, chemically bonded, high flow, high heat stabilisation.

Typical mechanical properties

Tensile Modulus	7000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	95 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3 %	ISO 527-1/-2
Flexural Modulus	6500 MPa	ISO 178
Flexural Strength	140 MPa	ISO 178
Charpy impact strength, 23°C	48 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	11.5 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	10 kJ/m ²	ISO 180/1A

Thermal properties

Temp. of deflection under load, 1.8 MPa	148 °C	ISO 75-1/-2
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Flammability

Burning Behav. at thickness h	HB class	UL 94
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Electrical properties

Volume resistivity	>1E13 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E14 Ohm	IEC 62631-3-2
Electric strength	43 kV/mm	IEC 60243-1
Comparative tracking index	600	IEC 60112
Relative permittivity, printed circuits and boards, 2.5 GHz	2.73	IEC 61189-2-721
Relative permittivity, printed circuits and boards, 10 GHz	2.77	IEC 61189-2-721
Dissipation factor, printed circuits and boards, 2.5 GHz	26 E-4	IEC 61189-2-721
Dissipation factor, printed circuits and boards, 10 GHz	31 E-4	IEC 61189-2-721

Other properties

Density	1140 kg/m ³	ISO 1183
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Injection

Drying Temperature	80 - 100 °C
Drying Time, Dehumidified Dryer	2 - 3 h
Max. mould temperature	50 - 80 °C



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Processing Texts

Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

