

# **TECNOPRENE<sup>®</sup> VK6HIT1**

## **TECNOPRENE®**

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

Product information Resin Identification Part Marking Code	PP-GF31 >PP-GF31<		ISO 1043 ISO 11469
Rheological properties Melt mass-flow rate Melt mass-flow rate, Temperature Melt mass-flow rate, Load	13 230 2.16		ISO 1133
Typical mechanical properties Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Flexural strength Charpy impact strength, 23°C Charpy notched impact strength, 23°C Izod notched impact strength, 23°C Poisson's ratio [C]: Calculated	3 6500 140 48 11.5	MPa %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eU ISO 179/1eA ISO 180/1A
Thermal properties Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa	165 148		ISO 11357-1/-3 ISO 75-1/-2
Flammability Burning Behav. at thickness h Thickness tested FMVSS Class Burning rate, Thickness 1 mm	3.2 B	class mm mm/min	IEC 60695-11-10 IEC 60695-11-10 ISO 3795 (FMVSS 302) ISO 3795 (FMVSS 302)
Electrical properties Volume resistivity Surface resistivity Electric strength Comparative tracking index, 100 drops Relative permittivity, printed circuits and boards, 2.5 GHz Relative permittivity, printed circuits and boards, 10 GHz Dissipation factor, printed circuits and boards, 2.5 GHz Dissipation factor, printed circuits and boards, 10 GHz	1E14 43 600 2.7 <sup>[1]</sup> 2.77 26 <sup>[1]</sup>	kV/mm	IEC 62631-3-1 IEC 62631-3-2 IEC 60243-1 IEC 60112 IEC 61189-2-721 IEC 61189-2-721 IEC 61189-2-721 IEC 61189-2-721

[1]: 1.9GHz

Printed: 2025-05-30





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### **TECNOPRENE®**

### Physical/Other properties

Density

1140 kg/m<sup>3</sup>

ISO 1183

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#### Characteristics

Processing Special characteristics Injection Moulding Heat stabilised or stable to heat, High Flow

#### Additional information

**Processing Notes** 

#### Storage

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

#### Printed: 2025-05-30

Revised: 2025-04-21 Source: Celanese Materials Database

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