

# TECNOPRENE® VK6T1 3 ECO-R BLACK

## TECNOPRENE®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, high flow, heat stabilized. Product contains at least 30% recycle resin.

### Product information

Resin Identification	PP-GF30	ISO 1043
Part Marking Code	>PP-GF30<	ISO 11469

### Rheological properties

Melt mass-flow rate	15 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

### Typical mechanical properties

Tensile modulus	6900 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	80 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.6 %	ISO 527-1/-2
Flexural modulus	7000 MPa	ISO 178
Flexural strength	130 MPa	ISO 178
Charpy impact strength, 23°C	40 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	30 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	8.5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	6 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.35 <sup>[C]</sup>	
[C]: Calculated		

### Thermal properties

Temperature of deflection under load, 1.8 MPa	146 °C	ISO 75-1/-2
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### Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10

### Physical/Other properties

Density	1130 kg/m <sup>3</sup>	ISO 1183
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### Characteristics

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

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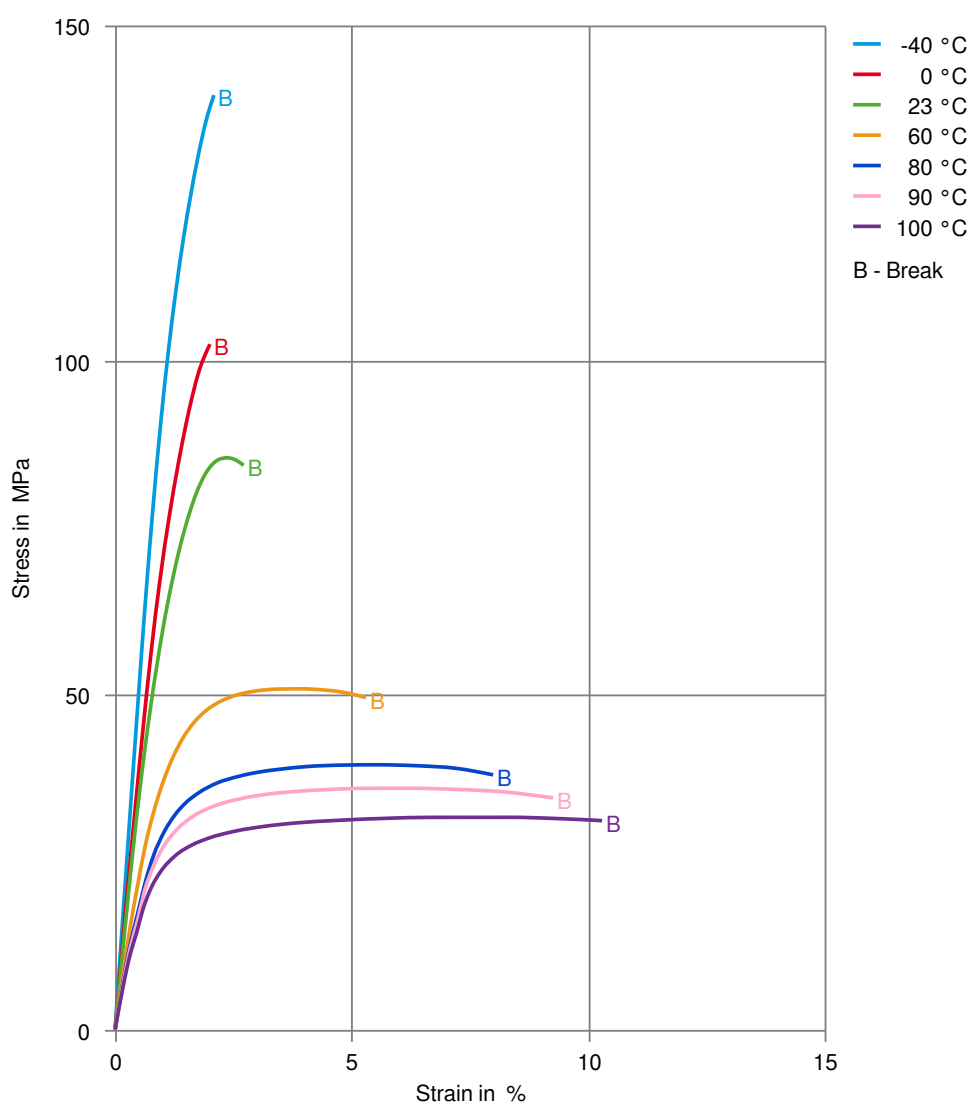
### Additional information

Processing Notes

### Storage

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

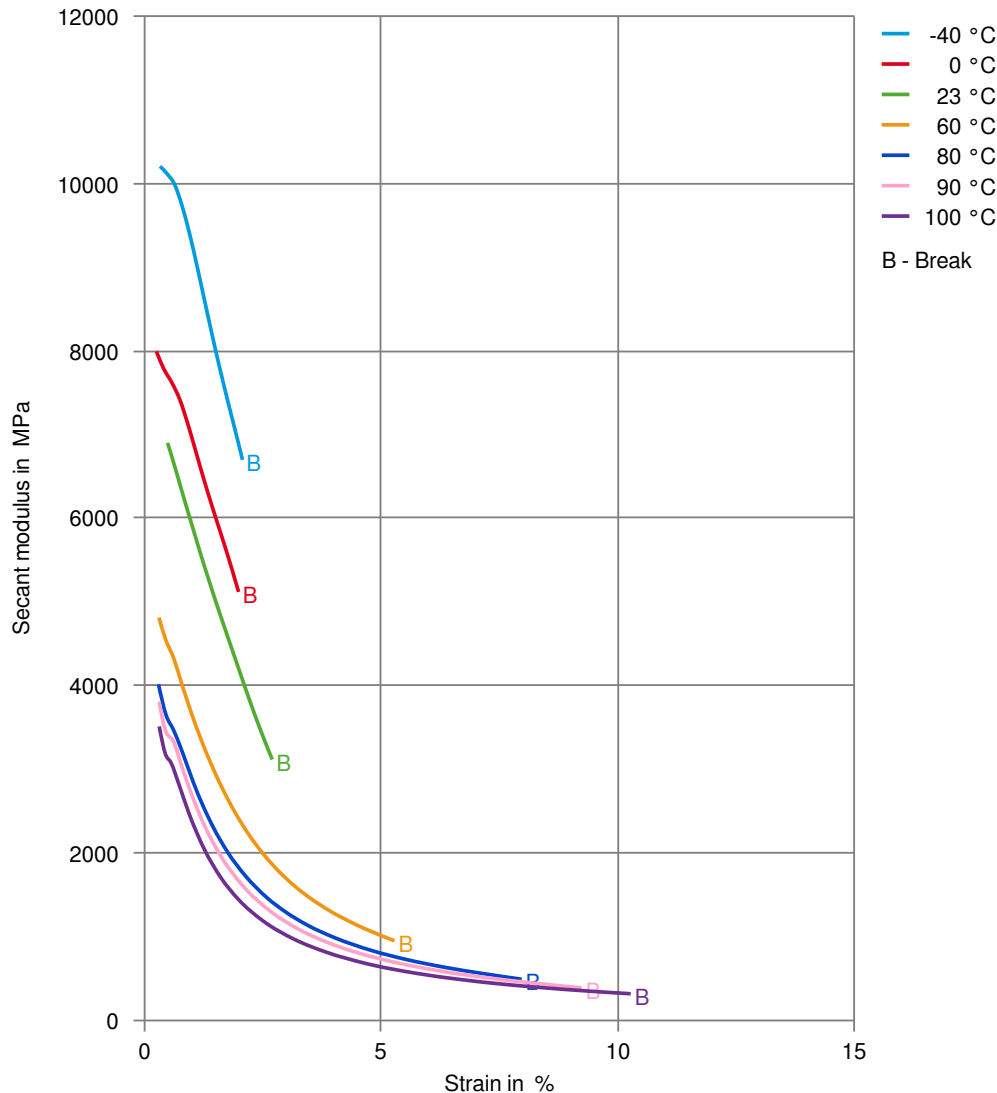
### Stress-strain



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### Secant modulus-strain



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