

TECNOPRENE® 3VK3EL

TECNOPRENE®

Elastomer modified polypropylene copolymer, 15% glass fiber reinforced, chemically coupled.

Product information

Resin Identification	PP-GF15	ISO 1043
Part Marking Code	>PP-GF15<	ISO 11469

Rheological properties

Melt mass-flow rate	20 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.2 - 0.4 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.3 - 0.5 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	3400 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	46 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.6 %	ISO 527-1/-2
Flexural modulus	3000 MPa	ISO 178
Flexural strength	70 MPa	ISO 178
Charpy impact strength, 23 °C	45 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23 °C	16 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23 °C	15 kJ/m ²	ISO 180/1A
Poisson's ratio	0.37 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	130 °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	1000 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Special characteristics	High impact or impact modified

Additional information

Processing Notes

Storage

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

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