Celanese
The chemistry inside innovation™

TECNOPRENE® VK6U

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Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, high flow, UV stabilised

Product information

Resin Identification	PP-GF29	ISO 1043
Part Marking Code	>PP-GF29<	ISO 11469

Rheological properties

Melt mass-flow rate	14	g/10min	ISO 1133

Typical mechanical properties

Tensile modulus	6500	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	85	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.2	%	ISO 527-1/-2
Flexural modulus	6300	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Charpy impact strength, 23°C	45	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	9	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	9	kJ/m²	ISO 180/1A
Poisson's ratio	0.35[C]		

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	147	°C	ISO 75-1/-2

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	1120	kg/m³	ISO 1183

Characteristics

Processing	Injection Moulding
Special characteristics	U.V. stabilised or stable to weather, High Flow

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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Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Mercedes-Benz	DBL5416	
Stellantis	MS.50042 / PP-H.GF30.5500F.8I.HS	PP 140.80;Headlamp , coolant reservoir

Revised: 2024-01-23 Source: Celanese Materials Database