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	446	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage range, parallel	0.2 - 0.4	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.3 - 0.5	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	493000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	6670	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.6	%	ISO 527-1/-2
Flexural modulus	435000	psi	ISO 178
Flexural strength	10200	psi	ISO 178
Charpy impact strength, 23°C	21.4	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	7.61	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	7.14	ftlb/in²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	266	°F	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	0.1260	in	IEC 60695-11-10

Physical/Other properties

Density	0.0361	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding
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.

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

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