TECNOPRENE® 3K4ELU

TECNOPRENE®

Elastomer modified polypropylene copolymer, 20% glass fiber reinforced, chemically coupled, UV stabilised.

Product information

Resin Identification	PP-GF20		ISO 1043
Part Marking Code	>PP-GF20<		ISO 11469

Rheological properties

Melt mass-flow rate	2	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	508000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	7300	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	5.4	%	ISO 527-1/-2
Flexural modulus	435000	psi	ISO 178
Flexural strength	8990	psi	ISO 178
Charpy impact strength, 23°C	30.9	ftlb/in²	ISO 179/1eU
Charpy impact strength, -30°C	26.2	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	11.9	ftlb/in²	ISO 179/1eA
Charpy notched impact strength, -30°C	5.71	ftlb/in²	ISO 179/1eA

Thermal properties

Temperature of deflection under load, 1.8 MPa	239	°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	0.0375	lb/in³	ISO 1183

Injection

Ejection temperature	230	°F	

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Bosch	N28 BN10-X002	Black

Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified, U.V. stabilized or stable to weather

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

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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.

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