TECNOPRENE® AK4U1

TECNOPRENE®

Polypropylene, homopolymer, 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	3.7	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	667000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	10200	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1/-2
Flexural modulus	624000	psi	ISO 178
Flexural strength	16000	psi	ISO 178
Charpy notched impact strength, 23°C	5.23	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	5.23	ftlb/in²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	286	°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

Automotive

OEM	STANDARD
VW Group	VW 44045

Characteristics

Processing	Injection Molding
Special characteristics	U.V. stabilized or stable to weather

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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