TECNOPRENE® AK8

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Polypropylene, homopolymer, 40% glass fiber reinforced, chemically coupled.

Product information

Resin Identification	PP-GF40		ISO 1043
Part Marking Code	>PP-GF40<		ISO 11469

Rheological properties

Melt mass-flow rate	2.8	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	1.33E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	14500	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.7	%	ISO 527-1/-2
Flexural modulus	1.23E6	psi	ISO 178
Flexural strength	23200	psi	ISO 178
Charpy notched impact strength, 23°C	5.71	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	5.71	ftlb/in²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	302	°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
FMVSS Class	B		ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	2.99	in/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	0.044	lb/in³	ISO 1183

Injection

Ejection temperature	244	°F	

Characteristics

Processing	Injection Molding

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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