TECNOPRENE® AK2EL

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Polypropylene, 10% glass fiber reinforced, chemically coupled, elastomer modified

Product information

Resin Identification	PP-GF10		ISO 1043
Part Marking Code	>PP-GF10<		ISO 11469

Rheological properties

Melt mass-flow rate	4.8	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	392000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	5800	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	8	%	ISO 527-1/-2
Flexural modulus	363000	psi	ISO 178
Flexural strength	9280	psi	ISO 178
Charpy impact strength, 23°C	20.5	ftlb/in²	ISO 179/1eU
Charpy impact strength, -30°C	19	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	7.14	ftlb/in²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.33	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	212	°F	ISO 75-1/-2

Physical/Other properties

Density	0.0347	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.

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