

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	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile modulus	9200 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	100 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.7 %	ISO 527-1/-2
Flexural modulus	8500 MPa	ISO 178
Flexural strength	160 MPa	ISO 178
Charpy notched impact strength, 23°C	12 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	12 kJ/m ²	ISO 180/1A
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	150 °C	ISO 75-1/-2
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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	3.2 mm	IEC 60695-11-10
FMVSS Class	B	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	75.5 mm/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1220 kg/m ³	ISO 1183
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Injection

Ejection temperature	118 °C
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Characteristics

Processing	Injection Moulding
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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.