

TECNOPRENE® AK2EL

TECNOPRENE®

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

Typical mechanical properties

Tensile modulus	2700 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	40 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	8 %	ISO 527-1/-2
Flexural modulus	2500 MPa	ISO 178
Flexural strength	64 MPa	ISO 178
Charpy impact strength, 23°C	43 kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	15 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	15 kJ/m ²	ISO 180/1A
Poisson's ratio	0.38 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	100 °C	ISO 75-1/-2
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Physical/Other properties

Density	960 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
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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