

TECNOPRENE® AK8

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

Typical mechanical properties

Tensile Modulus	9200 MPa	ISO 527-1/-2
Stress at break, 5mm/min	100 MPa	ISO 527-1/-2
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

Thermal properties

Temp. 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	UL 94
Burning Behav. at thickness h	HB class	UL 94

Other properties

Density	1220 kg/m ³	ISO 1183
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Injection

Drying Temperature	80 - 100 °C	
Drying Time, Dehumidified Dryer	2 - 3 h	
Melt Temperature Optimum	250 °C	Internal
Max. mould temperature	50 - 80 °C	

Processing Texts

Longer pre-drying times/storage	This product should be stored in a covered facility and kept away from moisture and heat.
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