

Technical Data Sheet



ALTECH PBT A 2030/347 GF30 FR

Base Polymer	Polybutylene Terephthalate
Filler/Additive System	30 % glass fibres
Special Features	flame retardant,easy flow,heat stabilised,impact modified,processing stabilised
Market Segment	Machinery,electrical and electronic
Application Area	electrical components
Typical Applications	injection moulded parts,functional components

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-4 h in an air circulating dryer 100-120 °C for 4-8 h dependant on moisture content max. moisture content <0,02 %
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Processing Injection Moulding	melt temperature 250-270 °C mould temperature 80-120 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	9200	MPa	ISO 178
Flexural Strength	165	MPa	ISO 178
Tensile Modulus	9600	MPa	ISO 527
Tensile Strength at Break	105	MPa	ISO 527
Tensile Elongation at Break	2	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	45	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	209	°C	ISO 306
HDT / A (1,8 MPa)	209	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1640	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94