Altech® Altech B 2030/209 GF30



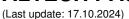
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Base Polymer Filler/Additive System Colour Special Features Market Segment Application Area	Polyamide 6 30 % glass fibres black heat stabilised,easy release (demoulding),easy flow Automotive,electrical and electronic,sport and leisure exterior parts,electrical components,sports equipment,injection moulded parts
Typical Applications	housings,handles,functional components
Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8300	MPa	ISO 178
Flexural Strength	250	MPa	ISO 178
Tensile Modulus	8500	MPa	ISO 527
Tensile Strength at Break	160	MPa	ISO 527
Tensile Elongation at Break	3.5	%	ISO 527
Impact Strength (Charpy, 23°C)	70	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7.5	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	200	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1360	kg/m³	ISO 1183

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Flammability

Flammability (0.75 mm)	HB	class	UL 94
Yellow Card available	yes	-	-

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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