

Technical Data Sheet



ALTECH PS A 1000/901 WT1225-20

Base Polymer	Polystyrene
Special Features	injection moulding grade,easy release (demoulding),easy flow
Market Segment	electrical and electronic,building and construction,sport and leisure
Typical Applications	bezels,housings,profile

Pre-Drying Conditions	in a dry air (dessiccant) dryer 60-80 °C for 2-3 h in an air circulating dryer 60-80 °C for 2-3 h dependant on moisture content
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Processing Injection Moulding	melt temperature 180-260 °C mould temperature 10-70 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	3200	MPa	ISO 527
Tensile Strength at Break	45	MPa	ISO 527
Tensile Elongation at Break	1.5	%	ISO 527
Impact Strength (Charpy, 23°C)	9	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	9	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	1	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	87	°C	ISO 306
HDT / A (1,8 MPa)	76	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	15	cm ³ /10min	ISO 1133
MVR temperature	200	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
Physical Properties			
Density	1060	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94