

Technical Data Sheet



ALTECH PC A 1000/578 UV

Base Polymer	Polycarbonate
Filler/Additive System	light stabiliser
Colour	white
Special Features	UV stabilised,translucent
Market Segment	electrical and electronic
Application Area	injection moulded parts

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h in an air circulating dryer 100-120 °C for 4-12 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 270-310 °C mould temperature 80-110 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	62	MPa	ISO 527
Tensile Elongation at Yield	6.2	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	145	°C	ISO 306
HDT / A (1,8 MPa)	131	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	7	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1200	kg/m ³	ISO 1183