

Technical Data Sheet



ALTECH PC A 1000/620 UV

Base Polymer	Polycarbonate
Colour	red
Special Features	UV stabilised,heat stabilised,easy release (demoulding),processing stabilised
Market Segment	electrical and electronic
Application Area	injection moulded parts,housings,functional components

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 3-4 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	2600	MPa	ISO 527
Tensile Stress at Yield	70	MPa	ISO 527
Tensile Elongation at Yield	5.4	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	135	°C	ISO 306
HDT / A (1,8 MPa)	123	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	20	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	1210	kg/m ³	ISO 1183