

Technical Data Sheet



ALTECH PC B 1000/576

Base Polymer	Polycarbonate
Colour	violet
Special Features	easy release (demoulding)
Market Segment	Lighting, building and construction, various
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	63	MPa	ISO 527
Tensile Elongation at Yield	6	%	ISO 527
Tensile Elongation at Break	85	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	143	°C	ISO 306
HDT / A (1,8 MPa)	129	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	18	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1190	kg/m ³	ISO 1183