

Technical Data Sheet



ALTECH PC A 1000/608 WT1005-17LWA

Base Polymer	Polycarbonate
Filler/Additive System	laser optimisation
Colour	white
Special Features	easy release (demoulding), good flow, processing stabilised, injection moulding grade, laser absorbing
Market Segment	Automotive, electrical and electronic
Application Area	lighting, electrical components
Typical Applications	reflectors

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	2700	MPa	ISO 527
Tensile Stress at Yield	65	MPa	ISO 527
Tensile Elongation at Yield	5.1	%	ISO 527
Tensile Elongation at Break	20	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	250	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	137	°C	ISO 306
HDT / A (1,8 MPa)	125	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Relative Viscosity (Cl ₂ CH ₂ , c = 5 g/l)	1.2	-	ISO 1628-4
Physical Properties			
Density	1270	kg/m ³	ISO 1183

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Flammability

Flammability (1.5 mm)

Glow Wire (GWFI, 850°C, 1.0mm)

Glow Wire (GWFI, 850°C, 2.0mm)

HB

passed

passed

class

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UL 94

DIN EN 60695

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