

Technical Data Sheet



ALTECH PC A 1000/502 UV WT1046-19LS

Base Polymer	Polycarbonate
Filler/Additive System	light stabiliser, Laser sensitive additive
Colour	white
Special Features	easy flow, UV stabilised, laser etchable (dark etching)
Market Segment	various
Application Area	injection moulded parts, interior decoration / finishing, exterior parts
Typical Applications	housings, functional components

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 %
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Processing Injection Moulding	melt temperature 270-310 °C mould temperature 80-110 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2350	MPa	ISO 527
Tensile Stress at Yield	62	MPa	ISO 527
Tensile Elongation at Yield	5.7	%	ISO 527
Tensile Elongation at Break	57	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	142	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	33	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.4 - 0.7	%	ISO 294-4
Physical Properties			
Density	1230	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94