

Technical Data Sheet



ALTECH PC A 1000/532 UV AS

MOCOM

Base Polymer	Polycarbonate
Filler/Additive System	light stabiliser
Colour	grey, white
Special Features	antistatic, UV stabilised, easy release (demoulding), processing stabilised, heat stabilised
Market Segment	electrical and electronic, building and construction, sport and leisure
Application Area	injection moulded parts
Typical Applications	housings, functional components

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-4 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	2400	MPa	ISO 527
Tensile Stress at Yield	67	MPa	ISO 527
Tensile Elongation at Yield	5.6	%	ISO 527
Tensile Elongation at Break	65	%	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)	9	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	137	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	16	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	1230	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Glow Wire (GWFI, 850°C, 2.0mm)	passed	-	DIN EN 60695