

Technical Data Sheet



ALCOM ASA/PC 540/5 UV GY81-714MCF

Base Polymer	Polycarbonate +Acrylonitrile Styrene Acrylate Blend
Filler/Additive System	UV stabilised
Colour	metallic
Special Features	low tendency to flow lines
Market Segment	electrical and electronic,building and construction,sport and leisure
Typical Applications	housings

Pre-Drying Conditions	in a dry air (dessiccant) dryer 90-110 °C for 2-4 h in an air circulating dryer 90-110 °C for 4-8 h dependant on moisture content
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Processing Injection Moulding	melt temperature 260-300 °C mould temperature 60-90 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2600	MPa	ISO 178
Flexural Strength	75	MPa	ISO 178
Tensile Modulus	2450	MPa	ISO 527
Tensile Strength	45	MPa	ISO 527
Tensile Elongation at Break	8	%	ISO 527
Impact Strength (Charpy, 23°C)	90	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	20	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	119	°C	ISO 306
HDT / A (1,8 MPa)	105	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	18	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.4 - 0.7	%	ISO 294-4
Physical Properties			
Density	1190	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94