

Technical Data Sheet



ALCOM ASA 540/7 UV SV1156-12MCF

Base Polymer	Acrylonitrile/Styrene/Acrylate/Copolymer
Colour	metallic effect,similar to RAL 9006
Special Features	low tendency to flow lines,UV stabilised
Market Segment	electrical and electronic,building and construction,sport and leisure
Typical Applications	housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 3-6 h dependant on moisture content
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Processing Injection Moulding	melt temperature 240-280 °C mould temperature 40-80 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress (3.5% Strain)	74	MPa	ISO 178
Tensile Modulus	2700	MPa	ISO 527
Tensile Stress at Yield	49	MPa	ISO 527
Tensile Elongation at Yield	3.1	%	ISO 527
Tensile Elongation at Break	6.3	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	97	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	101	°C	ISO 306
HDT / A (1,8 MPa)	92	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	6	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.4 - 0.7	%	ISO 294-4
Physical Properties			
Density	1120	kg/m ³	ISO 1183