

Technical Data Sheet



ALCOM CFX PC+ASA 1000 15050

Base Polymer	Polycarbonate +Acrylonitrile Styrene Acrylate Blend
Special Features	metallic effect
Market Segment	electrical and electronic,building and construction,sport and leisure
Application Area	injection moulded parts
Typical Applications	housings,clothing / fasteners

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-4 h in an air circulating dryer 100-100 °C for 3-6 h dependant on moisture content
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Processing Injection Moulding	melt temperature 250-290 °C mould temperature 60-100 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress (3.5% Strain)	75	MPa	ISO 178
Tensile Modulus	2700	MPa	ISO 527
Tensile Stress at Yield	56	MPa	ISO 527
Tensile Elongation at Yield	4.6	%	ISO 527
Tensile Elongation at Break	8	%	ISO 527
Impact Strength (Charpy, 23°C)	105	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	95	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	14	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	132	°C	ISO 306
HDT / A (1,8 MPa)	117	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	25	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1220	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94