



ALCOM CFX PC+ASA 1000 15050

(Last update: 12.04.2024)



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
Processing Injection Moulding	melt temperature 250-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

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



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Flammability

Flammability (1.5 mm)

HB

class

UL 94

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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