



ALCOM CFX ABS+PC 1000 UV 19004

(Last update: 23.09.2022)



Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer,modified with Polycarbonate
Filler/Additive System	UV stabilised
Special Features	metallic effect,good flow
Market Segment	Automotive,building and construction
Application Area	injection moulding grade
Typical Applications	housings,clothing / fasteners

Pre-Drying Conditions	85 °C in a dry air (dessiccant) dryer for 2-4 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 60-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress (3.5% Strain)	60	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Stress at Yield	41	MPa	ISO 527
Tensile Elongation at Yield	2.7	%	ISO 527
Tensile Elongation at Break	20	%	ISO 527
Impact Strength (Charpy, 23°C)	220	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	150	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	33	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	12	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	102	°C	ISO 306
HDT / A (1,8 MPa)	89	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	9	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1070	kg/m ³	ISO 1183



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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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