

Technical Data Sheet



ALCOM CFX ABS+PC 1000 UV 19004

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