

Technical Data Sheet



ALCOM CFX ABS 1000 18037 SV1035-18MC

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Special Features	metallic effect
Market Segment	electrical and electronic, building and construction, sport and leisure
Application Area	injection moulded parts
Typical Applications	housings, bezels

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
Processing Injection Moulding	melt temperature 220-260 °C mould temperature 50-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress (3.5% Strain)	72	MPa	ISO 178
Tensile Modulus	2800	MPa	ISO 527
Tensile Stress at Yield	46	MPa	ISO 527
Tensile Elongation at Yield	2.3	%	ISO 527
Tensile Elongation at Break	17	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	110	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	100	°C	ISO 306
HDT / A (1,8 MPa)	86	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
Physical Properties			
Density	1060	kg/m ³	ISO 1183