

## Technical Data Sheet



# ALCOM CFX ASA 1000 UV 15116 SV1163-15MC

Base Polymer	Acrylonitrile/Styrene/Acrylate/Copolymer
Filler/Additive System	UV stabilised
Colour	metallic effect
Special Features	low tendency to flow lines,easy flow
Market Segment	electrical and electronic,building and construction,sport and leisure
Application Area	injection moulding grade
Typical Applications	housings

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 240-280 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress (3.5% Strain)	65	MPa	ISO 178
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	44	MPa	ISO 527
Tensile Elongation at Yield	2.7	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	95	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	65	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3	kJ/m <sup>2</sup>	ISO 179/1eA
Ball Indentation Hardness H358/30	83	MPa	ISO 2039-1
<b>Thermal Properties</b>			
Vicat B50	95	°C	ISO 306
HDT / A (1,8 MPa)	85	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	24	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
<b>Physical Properties</b>			
Density	1080	kg/m <sup>3</sup>	ISO 1183