

Technical Data Sheet



ALCOM PA66 910/1 NU SV1057-03MCF

Base Polymer	Polyamide 66
Special Features	metallic effect, low tendency to flow lines, fast solidifying, easy release (demoulding)
Market Segment	Automotive, electrical and electronic, building and construction
Application Area	injection moulded parts, housings

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
dependant on moisture content

Processing Injection Moulding melt temperature 270-290 °C
mould temperature 40-80 °C

Storage dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3600	MPa	ISO 178
Flexural Strength	120	MPa	ISO 178
Tensile Modulus	3900	MPa	ISO 527
Tensile Stress at Yield	90	MPa	ISO 527
Tensile Elongation at Yield	4	%	ISO 527
Tensile Elongation at Break	7	%	ISO 527
Impact Strength (Charpy, 23°C)	28	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	240	°C	ISO 306
HDT / A (1,8 MPa)	85	°C	ISO 75-1/-2
DSC (Melt Point)	260	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.3 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 1.8	%	ISO 294-4
Physical Properties			
Density	1180	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94