

Technical Data Sheet



ALCOM PA66 910/8 IM SV1246-07MCF

Base Polymer	Polyamide 66
Colour	silver,metallic effect
Special Features	low tendency to flow lines,impact modified,heat stabilised
Market Segment	Automotive,Machinery
Typical Applications	functional components,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	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1600 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	40 / -	MPa	ISO 178
Tensile Modulus	1700 / -	MPa	ISO 527
Tensile Strength at Break	30 / -	MPa	ISO 527
Tensile Elongation at Break	20 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	50 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	60 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.7 - 2.1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.4 - 1.8	%	ISO 294-4
Physical Properties			
Density	1100 / -	kg/m ³	ISO 1183