

Technical Data Sheet



ALCOM PP 620/2 SV1246-04MCO

Base Polymer	Polypropylene Homopolymer
Colour	metallic effect
Special Features	flow line optimised,easy flow
Application Area	household goods
Typical Applications	housings

Pre-Drying Conditions	in an air circulating dryer 80-100 °C for 2-4 h in a dry air (dessiccant) dryer 80-100 °C for 2-3 h dependant on moisture content
Processing Injection Moulding	melt temperature 200-270 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress (3.5% Strain)	42	MPa	ISO 178
Tensile Modulus	1700	MPa	ISO 527
Tensile Stress at Yield	37	MPa	ISO 527
Tensile Elongation at Yield	7.2	%	ISO 527
Tensile Elongation at Break	11	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	12	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	103	°C	ISO 306
HDT / A (1,8 MPa)	66	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	66	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4
Physical Properties			
Density	910	kg/m ³	ISO 1183