

Technical Data Sheet



ALCOM PP 620/3 BS73

Base Polymer	Polypropylene Random Copolymer
Filler/Additive System	barium sulphate
Special Features	high density, high acoustic damping, increased X-Ray contrast
Market Segment	Furniture, packaging, Personal care
Typical Applications	fixing elements, housings

Pre-Drying Conditions	in a dry air (dessiccant) dryer 60-90 °C for 2-4 h in an air circulating dryer 60-90 °C for 2-4 h dependant on moisture content
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Processing Injection Moulding	melt temperature 200-270 °C mould temperature 20-90 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Strength	25	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	15	MPa	ISO 527
Tensile Elongation at Yield	0.8	%	ISO 527
Tensile Elongation at Break	50	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	75	°C	ISO 306
HDT / A (1,8 MPa)	55	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	2110	kg/m ³	ISO 1183