

Technical Data Sheet



ALCOM PP 620/8 GF30 PTFE15

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % glass fibres, 15 % PTFE
Special Features	heat stabilised, improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-100 °C for 2-3 h in an air circulating dryer 80-100 °C for 2-4 h dependant on moisture content
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Processing Injection Moulding	melt temperature 200-270 °C mould temperature 29-90 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6100	MPa	ISO 178
Flexural Strength	125	MPa	ISO 178
Tensile Modulus	6700	MPa	ISO 527
Tensile Strength at Break	82	MPa	ISO 527
Tensile Elongation at Break	3.3	%	ISO 527
Impact Strength (Charpy, 23°C)	44	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	136	°C	ISO 306
HDT / A (1,8 MPa)	148	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	2	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.6	%	ISO 294-4
Physical Properties			
Density	1250	kg/m ³	ISO 1183