

Technical Data Sheet



ALCOM MED PP 4930 17007

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % talcum
Special Features	injection moulding grade,heat stabilised,easy release (demoulding)
Market Segment	Medical / Personal Care
Application Area	medical devices,various
Typical Applications	injection moulded parts

Pre-Drying Conditions	in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 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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Minimum Shelf Life	months <24
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Properties	Value	Dimension	Based on Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress (3.5% Strain)	40	MPa	ISO 178
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	30	MPa	ISO 527
Tensile Elongation at Yield	6.3	%	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23°C)	55	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	86	°C	ISO 306
HDT / A (1,8 MPa)	76	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	10	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.6 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.6	%	ISO 294-4
Physical Properties			
Density	1160	kg/m ³	ISO 1183