

Technical Data Sheet



ALTECH PP-B A 1000/726.01 UV

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	antioxidant,light stabiliser
Colour	black
Special Features	highly UV stabilised,heat stabilised,processing stabilised
Market Segment	Automotive,Machinery
Application Area	interior,various,injection moulded parts
Typical Applications	housings,handles,functional components

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h dependant on moisture content max. moisture content <0,10 %
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Processing Injection Moulding	melt temperature 200-240 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	700	MPa	ISO 178
Flexural Stress (3.5% Strain)	19	MPa	ISO 178
Tensile Modulus	650	MPa	ISO 527
Tensile Stress at Yield	15	MPa	ISO 527
Tensile Elongation at Yield	6.5	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	190	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	65	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat A50	133	°C	ISO 306
HDT / B (0.45 MPa)	83	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1.1 - 1.5	%	ISO 294-4
Physical Properties			
Density	900	kg/m ³	ISO 1183