

Technical Data Sheet



ALTECH PP-B A 1000/607

Base Polymer	Polypropylene Heterophasic Copolymer
Special Features	processing stabilised, good flex fatigue, easy release (demoulding)
Market Segment	Automotive
Application Area	injection moulded parts
Typical Applications	operating elements, pedals, fastener & connector

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
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Processing Injection Moulding	melt temperature 200-250 °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	1200	MPa	ISO 178
Flexural Stress (3.5% Strain)	32	MPa	ISO 178
Tensile Modulus	1200	MPa	ISO 527
Tensile Stress at Yield	27	MPa	ISO 527
Tensile Elongation at Yield	8.2	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	70	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	17	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	74	°C	ISO 306
HDT / A (1,8 MPa)	55	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	6	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.5 - 1.9	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
Physical Properties			
Density	900	kg/m ³	ISO 1183