

Technical Data Sheet



ALTECH PP-B A 4815/510 MR15 IM

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	15 % chalk
Colour	blue
Special Features	impact modified,injection moulding grade,heat stabilised,easy release (demoulding),processing stabilised
Market Segment	electrical and electronic,Automotive
Application Area	electrical components,interior decoration / finishing,clothing / fasteners
Typical Applications	functional components,fixing elements,housings

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 200-250 °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	1500	MPa	ISO 178
Flexural Stress (3.5% Strain)	30	MPa	ISO 178
Tensile Modulus	1600	MPa	ISO 527
Tensile Stress at Yield	23	MPa	ISO 527
Tensile Elongation at Yield	5	%	ISO 527
Tensile Elongation at Break	120	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	67	°C	ISO 306
HDT / A (1,8 MPa)	58	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	15	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4

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Physical Properties

Density	1000	kg/m ³	ISO 1183
Flammability			
Glow Wire (GWFI, 750°C, 1.0mm)	passed	-	DIN EN 60695