Technical Data Sheet

ALTECH PP-B A 4915/500 MR15

(Last update: 07.06.2018)

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Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	15 % talcum
Colour	natural color
Special Features	high heat stabilised,processing stabilised,easy release (demoulding)
Market Segment	Automotive,building and construction
Application Area	interior decoration / finishing,gardening tools,clothing / fasteners,exterior parts
Typical Applications	housings,fixing elements,functional components

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 max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Strength	34	MPa	ISO 178
Tensile Modulus	1900	MPa	ISO 527
Tensile Strength at Break	15	MPa	ISO 527
Tensile Elongation at Break	50	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13	kJ/m²	ISO 179/1eA
Ball Indentation Hardness H132/30	60	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	68	°C	ISO 306
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	8	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.6 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4

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Physical Properties

Density	1010	kg/m³	ISO 1183

Liability Exclusion
These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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