

Technical Data Sheet



ALTECH PP-B A 4430/100 MR30

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % chalk, 10 % talcum
Colour	natural color
Special Features	heat stabilised, easy release (demoulding), processing stabilised
Market Segment	building and construction, sport and leisure
Application Area	domestic appliances, gardening tools, household goods
Typical Applications	housings, 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	2300	MPa	ISO 178
Flexural Stress (3.5% Strain)	33	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	20	MPa	ISO 527
Tensile Elongation at Yield	2.8	%	ISO 527
Tensile Elongation at Break	30	%	ISO 527
Impact Strength (Charpy, 23°C)	135	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	75	°C	ISO 306
HDT / B (0.45 MPa)	115	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	16	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4

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Physical Properties

Density	1150	kg/m ³	ISO 1183
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Flammability

Flammability (1.5 mm)	HB	class	UL 94
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