

Technical Data Sheet



ALTECH PP-B A 4430/120 MR30 UV

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % chalk, 10 % talcum
Colour	grey, natural color, white
Special Features	UV stabilised, heat stabilised, processing stabilised, easy release (demoulding)
Market Segment	building and construction, electrical and electronic, sport and leisure
Application Area	domestic appliances, gardening tools, 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 %
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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	2300	MPa	ISO 178
Flexural Stress (3.5% Strain)	35	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	20	MPa	ISO 527
Tensile Elongation at Yield	2.5	%	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	115	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	75	°C	ISO 306
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	16	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1150	kg/m³	ISO 1183