

Technical Data Sheet



ALTECH PP-H A 2025/252 GF25 CP UV

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	25 % glass fibres
Colour	natural color
Special Features	UV stabilised,chemically coupled,heat stabilised,easy release (demoulding),processing stabilised
Market Segment	Machinery,Automotive
Application Area	interior decoration / finishing,injection moulded parts
Typical Applications	functional components,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	4300	MPa	ISO 178
Flexural Strength	110	MPa	ISO 178
Tensile Modulus	5600	MPa	ISO 527
Tensile Strength at Break	75	MPa	ISO 527
Tensile Elongation at Break	3.7	%	ISO 527
Impact Strength (Charpy, 23°C)	52	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	133	°C	ISO 306
HDT / A (1,8 MPa)	143	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	4	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1080	kg/m ³	ISO 1183