

Technical Data Sheet



ALTECH PA6 A 2025/320 GF25 UV

Base Polymer	Polyamide 6
Filler/Additive System	25 % glass fibres
Colour	grey
Special Features	heat stabilised,UV stabilised,nucleated,processing stabilised
Market Segment	Automotive,Machinery,building and construction,sport and leisure
Application Area	injection moulded parts
Typical Applications	clothing / fasteners,housings,functional components,handles

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
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Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7000 / -	MPa	ISO 178
Flexural Strength	200 / -	MPa	ISO 178
Tensile Modulus	8000 / -	MPa	ISO 527
Tensile Strength at Break	130 / -	MPa	ISO 527
Tensile Elongation at Break	2.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	37 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	206 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1320 / -	kg/m ³	ISO 1183