

Technical Data Sheet



ALTECH PA6 A 1000/520 UV HV WT1427-05

Base Polymer	Polyamide 6
Special Features	heat stabilised,easy release (demoulding),UV stabilised,good flow,injection moulding grade
Market Segment	Automotive,electrical and electronic,Furniture,building and construction,sport and leisure
Application Area	exterior,exterior parts,electrical and electronic (E&E),electrical components,gardening tools

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2400 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	80 / -	MPa	ISO 178
Tensile Modulus	2600 / -	MPa	ISO 527
Tensile Stress at Yield	75 / -	MPa	ISO 527
Tensile Elongation at Yield	3.5 / -	%	ISO 527
Tensile Elongation at Break	20 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	55 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1150 / -	kg/m ³	ISO 1183