

Technical Data Sheet



ALTECH PA6+ABS A 1000/720 UV

Base Polymer	Polyamide + Acrylonitrile Butadiene Styrene Blend
Filler/Additive System	processing stabilised,UV stabilised
Colour	natural color,white
Market Segment	domestic appliances,cosmetics, jewellery
Application Area	injection moulded parts
Typical Applications	housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 250-280 °C mould temperature 40-90 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress (3.5% Strain)	77	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	62	MPa	ISO 527
Tensile Elongation at Yield	3.9	%	ISO 527
Tensile Elongation at Break	55	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	250	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)	8.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	105	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	160	°C	ISO 306
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	45	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.9 - 1.2	%	ISO 294-4
Physical Properties			
Density	1120	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94