

Technical Data Sheet



ALTECH PA6+ABS A 1000/500

Base Polymer	Polyamide + Acrylonitrile Butadiene Styrene Blend
Filler/Additive System	heat stabilised, injection moulding grade, easy release (demoulding)
Market Segment	various, building and construction
Typical Applications	housings, sanitary articles

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	2600	MPa	ISO 178
Flexural Stress (3.5% Strain)	85	MPa	ISO 178
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	65	MPa	ISO 527
Tensile Elongation at Yield	3.9	%	ISO 527
Tensile Elongation at Break	40	%	ISO 527
Impact Strength (Charpy, 23 °C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	150	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	7	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	158	°C	ISO 306
HDT / A (1,8 MPa)	70	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	30	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (lengthwise, 24h)	0.9 - 1.3	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1150	kg/m ³	ISO 1183