

Technical Data Sheet



ALTECH ABS A 1000/326

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	light stabiliser
Colour	black
Special Features	UV stabilised, heat stabilised, processing stabilised
Market Segment	electrical and electronic, building and construction
Application Area	injection moulded parts, domestic appliances
Typical Applications	housings, functional components, handles

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 3-6 h dependant on moisture content max. moisture content <0,20 %
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Processing Injection Moulding	melt temperature 200-240 °C mould temperature 50-80 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress (3.5% Strain)	65	MPa	ISO 178
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	45	MPa	ISO 527
Tensile Elongation at Yield	2.2	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	100	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	17	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	100	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	93	°C	ISO 306
HDT / A (1,8 MPa)	80	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1040	kg/m ³	ISO 1183