

Technical Data Sheet



ALTECH ABS A 1000/132 AS UV

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	light stabiliser, antistatic - permanent
Colour	grey, white
Special Features	slip agent, easy flow, UV stabilised, heat stabilised, processing stabilised
Market Segment	building and construction, electrical and electronic
Application Area	injection moulded parts, domestic appliances, housings

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	2550	MPa	ISO 178
Flexural Stress (3.5% Strain)	68	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	46	MPa	ISO 527
Tensile Elongation at Yield	2	%	ISO 527
Tensile Elongation at Break	22	%	ISO 527
Impact Strength (Charpy, 23°C)	90	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	63	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	106	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	93	°C	ISO 306
HDT / A (1,8 MPa)	83	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	43	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.4 - 0.7	%	ISO 294-4

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(Last update: 04.05.2022)

Physical Properties

Density	1050	kg/m ³	ISO 1183
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Flammability

Flammability (1.5 mm)	HB	class	UL 94
Glow Wire (GWFI, 650 °C, 1.0mm)	passed	-	DIN EN 60695
Glow Wire (GWFI, 650 °C, 2.0mm)	passed	-	DIN EN 60695