Technical Data Sheet

ALTECH ASA A 1000/326 UV

(Last update: 09.10.2024)

M COM

Base Polymer	Acrylonitile/Styrene/Acrylate/Copolymer
Filler/Additive System	laser optimisation,Laser sensitive additive
Special Features	heat stabilised,UV stabilised,high surface gloss,laser etchable (light etching),processing stabilised
Market Segment	electrical and electronic
Application Area	exterior,electrical and electronic (E&E),glossy surfaces, e.g. pianoblack,clothing / fasteners
Typical Applications	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 <0,02 %
Processing Injection Moulding	melt temperature 240-280 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress (3.5% Strain)	75	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	55	MPa	ISO 527
Tensile Elongation at Yield	3.4	%	ISO 527
Tensile Elongation at Break	9	%	ISO 527
Impact Strength (Charpy, 23°C)	150	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	100	°C	ISO 306
HDT / A (1,8 MPa)	89	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	7	cm³/10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4

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Physical Properties

Density	1090	kg/m³	ISO 1183

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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