

Technical Data Sheet



ALTECH ASA A 1000/326 UV

Base Polymer	Acrylonitrile/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/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50	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)	2	kJ/m ²	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	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1090	kg/m ³	ISO 1183