

Technical Data Sheet



ALTECH ABS A 1000/130 AS

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Colour	grey
Special Features	processing stabilised, reduced surface resistivity, antistatic, slip agent, easy flow, injection moulding grade
Market Segment	various
Typical Applications	various, injection moulded parts, 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 %
Processing Injection Moulding	melt temperature 200-240 °C mould temperature 50-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2350	MPa	ISO 178
Flexural Strength	64	MPa	ISO 178
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	43	MPa	ISO 527
Tensile Elongation at Yield	2.3	%	ISO 527
Tensile Elongation at Break	6.5	%	ISO 527
Impact Strength (Charpy, 23°C)	90	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	18	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	93	°C	ISO 306
HDT / A (1,8 MPa)	83	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	38	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	≥0.6	%	ISO 294-4
Physical Properties			
Density	1070	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94