

Technical Data Sheet



ALTECH ABS A 1000/577

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Special Features	various
Market Segment	various, building and construction
Application Area	various, injection moulded parts
Typical Applications	various, housings, functional components

Pre-Drying Conditions	in a dry air (dessiccant) dryer 0-1000 °C for 2-4 h in an air circulating dryer 0-1000 °C for 3-6 h 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	2500	MPa	ISO 178
Flexural Stress (3.5% Strain)	65	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	44	MPa	ISO 527
Tensile Elongation at Yield	2.2	%	ISO 527
Tensile Elongation at Break	12	%	ISO 527
Impact Strength (Charpy, 23°C)	57	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	97	°C	ISO 306
HDT / A (1,8 MPa)	83	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	23	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Physical Properties			
Density	1050	kg/m ³	ISO 1183