

ALTECH ABS A 1000/577

(Last update: 11.04.2024)

MOCOM

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

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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