

ALTECH ABS A 1000/100 GY1079-19

(Last update: 17.02.2023)

MOCOM

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	antioxidant
Special Features	heat stabilised, processing stabilised
Market Segment	various
Application Area	various, injection moulded parts
Typical Applications	various

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	2400	MPa	ISO 178
Flexural Stress (3.5% Strain)	65	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	13	%	ISO 527
Impact Strength (Charpy, 23 °C)	90	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	85	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	18	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	7	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	100	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	94	°C	ISO 306
HDT / A (1,8 MPa)	81	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	30	cm ³ /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	1060	kg/m ³	ISO 1183
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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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