

## Technical Data Sheet



### ALTECH ABS A 1000/132 AS UV

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	light stabiliser,antistatic - permanent
Colour	grey,white
Special Features	slip agent,easy flow,UV stabilised,heat stabilised,processing stabilised
Market Segment	building and construction,electrical and electronic
Application Area	injection moulded parts,domestic appliances,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
<b>Mechanical Properties</b>			
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress (3.5% Strain)	68	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	46	MPa	ISO 527
Tensile Elongation at Yield	2	%	ISO 527
Tensile Elongation at Break	22	%	ISO 527
Impact Strength (Charpy, 23°C)	90	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	63	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5	kJ/m <sup>2</sup>	ISO 179/1eA
Ball Indentation Hardness H358/30	106	MPa	ISO 2039-1
<b>Thermal Properties</b>			
Vicat B50	93	°C	ISO 306
HDT / A (1,8 MPa)	83	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	43	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.4 - 0.7	%	ISO 294-4

## Technical Data Sheet



### ALTECH ABS A 1000/132 AS UV

(Last update: 04.05.2022)

#### Physical Properties

Density	1050	kg/m <sup>3</sup>	ISO 1183
---------	------	-------------------	----------

#### Flammability

Flammability (1.5 mm)	HB	class	UL 94
Glow Wire (GWFI, 650°C, 1.0mm)	passed	-	DIN EN 60695
Glow Wire (GWFI, 650°C, 2.0mm)	passed	-	DIN EN 60695