Technical Data Sheet

Altech®

ALBIS

ALTECH ABS A 1000/627 UV

M COM

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	light stabiliser
Colour	black,grey
Special Features	high heat stabilised,good flow,processing stabilised,injection moulding grade,low emission,UV stabilised
Market Segment	Automotive
Application Area	injection moulded parts,bezels,functional components

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)	72	MPa	ISO 178
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	48	MPa	ISO 527
Tensile Elongation at Yield	2.7	%	ISO 527
Tensile Elongation at Break	13	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	100	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	103	°C	ISO 306
HDT / A (1,8 MPa)	88	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	23	cm³/10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4

Technical Data Sheet

Altech®

ALBIS

ALTECH ABS A 1000/627 UV

M COM

Physical Properties			
Density	1080	kg/m³	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