

Technical Data Sheet



ALTECH ABS ECO 2017/506

MOCOM

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	17 % glass fibres
Special Features	contains recycled material
Market Segment	Automotive,electrical and electronic,various
Application Area	consumer electronics,interior,various
Typical Applications	housings,audio equipment,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 max. moisture content <0,05 %
Processing Injection Moulding	melt temperature 220-260 °C mould temperature 50-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5900	MPa	ISO 178
Flexural Strength	100	MPa	ISO 178
Tensile Modulus	5600	MPa	ISO 527
Tensile Strength at Break	65	MPa	ISO 527
Tensile Elongation at Break	1.6	%	ISO 527
Impact Strength (Charpy, 23°C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	150	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	104	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	12	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.1 - 0.3	%	ISO 294-4
Physical Properties			
Density	1180	kg/m ³	ISO 1183

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Ecological Properties

Global Warming Potential (GWP)	1.81	kg CO ₂ eq./kg	ISO 14040, 14044
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Flammability

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