

ALTECH PE-HD A 2010/506 GF10

(Last update: 21.08.2019)

MOCOM

Base Polymer	Polyethylene High Density
Filler/Additive System	10 % glass fibres
Special Features	heat stabilised,easy release (demoulding),good flow,injection moulding grade
Market Segment	various

Processing Injection Moulding	melt temperature 200-280 °C mould temperature 20-60 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress (3.5% Strain)	25	MPa	ISO 178
Tensile Modulus	1800	MPa	ISO 527
Tensile Stress at Yield	25	MPa	ISO 527
Tensile Elongation at Yield	2.7	%	ISO 527
Tensile Elongation at Break	40	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	71	°C	ISO 306
HDT / A (1,8 MPa)	72	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	40	cm ³ /10min	ISO 1133
MVR temperature	190	°C	-
MVR load	21.6	kg	-
Shrinkage (lengthwise, 24h)	0.6 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1010	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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