

ALTECH PP-H A 1000/546 FR

(Last update: 20.08.2020)

MOCOM

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	flame retardant
Special Features	metal deactivator (stabiliser),easy flow,flame retardant,easy release (demoulding),heat stabilised
Market Segment	electrical and electronic,building and construction
Application Area	injection moulded parts,electrical components,clothing / fasteners
Typical Applications	fixing elements,functional components,housings

Pre-Drying Conditions	in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 h
Processing Injection Moulding	melt temperature 200-240 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress (3.5% Strain)	37	MPa	ISO 178
Tensile Modulus	1500	MPa	ISO 527
Tensile Stress at Yield	34	MPa	ISO 527
Tensile Elongation at Yield	9	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	100	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	90	°C	ISO 306
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	28	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	940	kg/m³	ISO 1183



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Flammability

Flammability (0.75 mm)

V-2

class

UL 94

Glow Wire (GWFI, 960 °C, 2.0mm)

passed

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DIN EN 60695

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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