

Technical Data Sheet



ALTECH PP-H B 4030/507 TV30

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	mineral
Colour	black
Special Features	UV stabilised,easy release (demoulding),processing stabilised,heat stabilised
Market Segment	Automotive
Application Area	fixtures / fittings,exterior,injection moulded parts,interior decoration / finishing
Typical Applications	functional components,fixing elements,clothing / fasteners,housings

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h dependant on moisture content max. moisture content <0,10 %
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Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress (3.5% Strain)	42	MPa	ISO 178
Tensile Modulus	2800	MPa	ISO 527
Tensile Stress at Yield	30	MPa	ISO 527
Tensile Elongation at Yield	4.3	%	ISO 527
Tensile Elongation at Break	10	%	ISO 527
Impact Strength (Charpy, 23°C)	30	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	13	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	89	°C	ISO 306
HDT / A (1,8 MPa)	69	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	15	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4

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Shrinkage (lateral, 24h)	0.8 - 1.2	%	ISO 294-4
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Physical Properties

Density	1090	kg/m ³	ISO 1183
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