

Technical Data Sheet



ALTECH PP IQ 2020/W100

Base Polymer	Polypropylene
Filler/Additive System	20 % glass fibres
Colour	black
Special Features	processing stabilised, contains recycled material, Industrial quality
Market Segment	Automotive
Typical Applications	injection moulded parts

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	3000	MPa	ISO 178
Flexural Strength	80	MPa	ISO 178
Tensile Modulus	3500	MPa	ISO 527
Tensile Strength at Break	45	MPa	ISO 527
Tensile Elongation at Break	4	%	ISO 527
Impact Strength (Charpy, 23°C)	30	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	108	°C	ISO 306
HDT / A (1,8 MPa)	141	°C	ISO 75-1/-2
DSC (Melt Point)	168	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Physical Properties			
Density	1040	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.66	kg CO ₂ eq./kg	ISO 14040, 14044