

Technical Data Sheet



ALTECH PP IQ 2040/W100

Base Polymer	Polypropylene
Filler/Additive System	40 % glass fibres
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			
Tensile Modulus	6000	MPa	ISO 527
Tensile Strength at Break	60	MPa	ISO 527
Tensile Elongation at Break	2	%	ISO 527
Impact Strength (Charpy, 23°C)	30	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6	kJ/m²	ISO 179/1eA
Rheological Properties			
Melt Index (MVR)	10	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Physical Properties			
Density	1210	kg/m³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.84	kg CO ₂ eq./kg	ISO 14040, 14044