

Technical Data Sheet



ALTECH PP-B ECO 2020/550 GF20 CP

Base Polymer	Polypropylene Copolymer
Filler/Additive System	20 % glass fibres
Special Features	chemically coupled, processing stabilised, heat stabilised, contains recycled material
Market Segment	various, Automotive
Typical Applications	various, 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
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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	3300	MPa	ISO 178
Flexural Strength	85	MPa	ISO 178
Tensile Modulus	3700	MPa	ISO 527
Tensile Strength at Break	52	MPa	ISO 527
Tensile Elongation at Break	4.8	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	132	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	6	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.6	%	ISO 294-4
Physical Properties			
Density	1050	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	1.07	kg CO ₂ eq./kg	ISO 14040, 14044