

**ALTECH PP-B B 2020/550 GF20**

(Last update: 14.06.2022)

**MOCOM**

Base Polymer	Polypropylene Copolymer
Filler/Additive System	20 % glass fibres
Colour	black
Special Features	chemically coupled,processing stabilised,easy release (demoulding),heat stabilised
Market Segment	building and construction,packaging
Application Area	household goods,power tools,exterior parts,filter systems
Typical Applications	racking / shelving,handles,housings,functional components

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
<b>Mechanical Properties</b>			
Flexural Modulus	3400	MPa	ISO 178
Flexural Strength	95	MPa	ISO 178
Tensile Modulus	4400	MPa	ISO 527
Tensile Strength at Break	50	MPa	ISO 527
Tensile Elongation at Break	4	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10	kJ/m²	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	115	°C	ISO 306
HDT / A (1,8 MPa)	140	°C	ISO 75-1/-2
DSC (Melt Point)	167	°C	ISO 11357
<b>Rheological Properties</b>			
Melt Index (MVR)	8	cm³/10min	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



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### Physical Properties

Density	1000	kg/m <sup>3</sup>	ISO 1183
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### 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.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

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