

ALTECH PA6 B 2025/309 GF25

(Last update: 09.02.2022)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	25 % glass fibres
Colour	black,natural color
Special Features	easy release (demoulding),easy flow,processing stabilised,heat stabilised
Market Segment	Automotive,Machinery,building and construction
Application Area	injection moulded parts,exterior parts
Typical Applications	housings,functional components,air duct

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7500	MPa	ISO 178
Flexural Strength	220	MPa	ISO 178
Tensile Modulus	7800	MPa	ISO 527
Tensile Strength at Break	150	MPa	ISO 527
Tensile Elongation at Break	3	%	ISO 527
Impact Strength (Charpy, 23°C)	55	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	210	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1310	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB	class	UL 94
Yellow Card available	yes	-	-



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