

Technical Data Sheet

Altech[®] ECO

MOCOM

ALTECH PA6 ECO 2025/509 GF25

Base Polymer	Polyamide 6
Filler/Additive System	25 % glass fibres
Special Features	high heat stabilised, easy release (demoulding), heat stabilised, easy flow
Typical Applications	housings, various

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	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7000 / -	MPa	ISO 178
Flexural Strength	210 / -	MPa	ISO 178
Tensile Modulus	8000 / -	MPa	ISO 527
Tensile Strength at Break	115 / -	MPa	ISO 527
Tensile Elongation at Break	2.7 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	198 / *	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1310 / -	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.41	kg CO ₂ eq./kg	ISO 14040, 14044
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-

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(Last update: 14.10.2024)

Diagrams

Stress-Strain

