

Technical Data Sheet

Altech[®] ECO

MOCOM

ALTECH PA66 ECO 2030/310 GF30 IM

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Special Features	high heat stabilised, impact modified, contains recycled material, slip agent, easy release (demoulding)
Market Segment	Automotive, Machinery
Typical Applications	different automotive powertrain parts, housings, fans, machinery components

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,12 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8500 / 5000	MPa	ISO 178
Flexural Strength	245 / 150	MPa	ISO 178
Tensile Modulus	9400 / 6400	MPa	ISO 527
Tensile Strength at Break	160 / 110	MPa	ISO 527
Tensile Elongation at Break	3.2 / 5.8	%	ISO 527
Impact Strength (Charpy, 23°C)	75 / 85	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11 / 20	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.96	kg CO ₂ eq./kg	ISO 14040, 14044