

Technical Data Sheet



ALTECH PA66 ECO 2030/510 GF30 IM

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Special Features	heat stabilised, injection moulding grade, easy release (demoulding), impact modified
Market Segment	various
Application Area	lighting, domestic appliances

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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8100	MPa	ISO 178
Flexural Strength	210	MPa	ISO 178
Tensile Modulus	8900	MPa	ISO 527
Tensile Strength at Break	135	MPa	ISO 527
Tensile Elongation at Break	3.2	%	ISO 527
Impact Strength (Charpy, 23°C)	65	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	249	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1400	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	1.03	kg CO ₂ eq./kg	ISO 14040, 14044