

Technical Data Sheet



ALTECH PA6 ECO 2030/219 GF30 IM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	impact modified,injection moulding grade,heat stabilised,contains recycled material
Typical Applications	housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
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	8000 / 5000	MPa	ISO 178
Flexural Strength	185 / 115	MPa	ISO 178
Tensile Modulus	9000 / 5400	MPa	ISO 527
Tensile Strength at Break	125 / 67	MPa	ISO 527
Tensile Elongation at Break	2.6 / 5	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / 54	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9 / 12	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	205 / *	°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	1320 / -	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.58	kg CO ₂ eq./kg	ISO 14040, 14044
Flammability			
Flammability (1.5 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-