

Technical Data Sheet



ALTECH PA66 A 2030/109 GF30 GY1176-12LS

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres,laser optimisation,Laser sensitive additive
Colour	grey
Special Features	heat stabilised,easy release (demoulding),easy flow,laser etchable (dark etching)
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 280-300 °C
mould temperature 80-120 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8500 / -	MPa	ISO 178
Flexural Strength	245 / 180	MPa	ISO 178
Tensile Modulus	9700 / 7250	MPa	ISO 527
Tensile Strength at Break	160 / 100	MPa	ISO 527
Tensile Elongation at Break	2.7 / 4	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
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	1360 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-