

Technical Data Sheet



ALTECH PA66 A 2035/109 GF35 WT1313-12

Base Polymer	Polyamide 66
Filler/Additive System	35 % glass fibres
Special Features	heat stabilised,easy release (demoulding),injection moulding grade
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	10500 / 6600	MPa	ISO 178
Flexural Strength	230 / 185	MPa	ISO 178
Tensile Modulus	11800 / 6800	MPa	ISO 527
Tensile Strength at Break	155 / 115	MPa	ISO 527
Tensile Elongation at Break	2.2 / 6.7	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / 80	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	38 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	252 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.3	%	ISO 294-4
Physical Properties			
Density	1530 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-