

Technical Data Sheet



ALTECH PA66 A 2015/310 GF15 IM

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres
Colour	black,blue,green,natural color,red
Special Features	impact modified,heat stabilised,easy release (demoulding)
Market Segment	Automotive,electrical and electronic
Application Area	various,injection moulded parts,interior decoration / finishing

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	4000 / 2100	MPa	ISO 178
Flexural Strength	150 / 55	MPa	ISO 178
Tensile Modulus	4500 / 2400	MPa	ISO 527
Tensile Strength at Break	90 / 55	MPa	ISO 527
Tensile Elongation at Break	4 / 12	%	ISO 527
Impact Strength (Charpy, 23°C)	65 / 80	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16 / 25	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	235 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.5 - 0.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1190 / -	kg/m ³	ISO 1183