

Technical Data Sheet



ALTECH PA66 A 2015/710 GF15 IM

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres
Colour	black,natural color
Special Features	impact modified,heat stabilised,high surface gloss
Market Segment	various,Automotive
Application Area	various,injection moulded parts,interior decoration / finishing
Typical Applications	housings,functional components

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	3500 / -	MPa	ISO 178
Flexural Strength	120 / -	MPa	ISO 178
Tensile Modulus	4100 / -	MPa	ISO 527
Tensile Strength at Break	80 / -	MPa	ISO 527
Tensile Elongation at Break	4.3 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	69 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	80 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	22 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	12 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	238 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.5 - 0.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.1 - 1.3	%	ISO 294-4
Physical Properties			
Density	1160 / -	kg/m ³	ISO 1183