

Technical Data Sheet



ALTECH PA66 A 2015/109 GF15

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres
Colour	red,black,green,brown,grey,natural color,orange,yellow
Special Features	heat stabilised,easy release (demoulding),good flow
Market Segment	Automotive
Application Area	interior decoration / finishing,exterior parts,injection moulded parts
Typical Applications	various,clips

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
dependant on moisture content
0,15 % max. moisture content

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	5300 / 3200	MPa	ISO 178
Flexural Strength	180 / 115	MPa	ISO 178
Tensile Modulus	5900 / 3300	MPa	ISO 527
Tensile Strength	115 / -	MPa	ISO 527
Tensile Strength at Break	- / 80	MPa	ISO 527
Tensile Elongation at Break	2.5 / 13	%	ISO 527
Impact Strength (Charpy, 23°C)	30 / 63	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	29 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5 / 6	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)	244 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1230 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-