

Technical Data Sheet



ALTECH PA66 A 3030/109 GB30

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass beads
Colour	black,natural color,red
Special Features	easy flow,heat stabilised,easy release (demoulding),high surface quality,low warpage
Application Area	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 %
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Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4300 / 2000	MPa	ISO 178
Flexural Stress (3.5% Strain)	- / 55	MPa	ISO 178
Flexural Strength	120 / -	MPa	ISO 178
Tensile Modulus	4800 / 2000	MPa	ISO 527
Tensile Strength at Break	80 / 55	MPa	ISO 527
Tensile Elongation at Break	4.2 / 20	%	ISO 527
Impact Strength (Charpy, 23°C)	25 / 75	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	20 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / 5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	94 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.1 - 1.5	%	ISO 294-4
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-
Glow Wire (GWFI, 650°C, 2.0mm)	passed	-	DIN EN 60695