

Technical Data Sheet



ALTECH PA66 A 2020/109 GF20

Base Polymer	Polyamide 66
Filler/Additive System	20 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,easy release (demoulding),slip agent
Market Segment	Automotive
Application Area	various,injection moulded parts,interior decoration / finishing
Typical Applications	clips

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	6200 / -	MPa	ISO 178
Flexural Strength	220 / -	MPa	ISO 178
Tensile Modulus	6800 / -	MPa	ISO 527
Tensile Strength at Break	140 / -	MPa	ISO 527
Tensile Elongation at Break	2.7 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	35 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°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 - 1.1	%	ISO 294-4
Physical Properties			
Density	1290 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-