

Technical Data Sheet



ALCOM PA66 910/1 GF15 MR25

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres, 25 % mineral
Special Features	heat stabilised, improved surface appearance, low warpage
Typical Applications	housings, functional components

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on 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	7800 / -	MPa	ISO 178
Flexural Strength	190 / -	MPa	ISO 178
Tensile Modulus	8200 / -	MPa	ISO 527
Tensile Strength at Break	130 / -	MPa	ISO 527
Tensile Elongation at Break	2.5 / -	%	ISO 527
Impact Strength (Charpy, 23 °C)	40 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	35 / -	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)	3 / -	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 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 1	%	ISO 294-4
Physical Properties			
Density	1460 / -	kg/m ³	ISO 1183