

Technical Data Sheet



ALCOM PA66 910/1 PTFE15

Base Polymer	Polyamide 66
Filler/Additive System	15 % PTFE
Special Features	heat stabilised, injection moulding grade, easy release (demoulding), improved sliding / wear
Application Area	various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2600 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	85 / -	MPa	ISO 178
Tensile Modulus	2800 / -	MPa	ISO 527
Tensile Strength at Break	68 / -	MPa	ISO 527
Tensile Elongation at Break	9.5 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	65 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	80 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1230 / -	kg/m ³	ISO 1183