

Technical Data Sheet



ALTECH PA66 A 1000/567

Filler/Additive System	Polyamide 66
Special Features	heat stabilised,easy flow,easy release (demoulding)
Market Segment	various
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 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800 / 1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	90 / 35	MPa	ISO 178
Tensile Modulus	3000 / 1500	MPa	ISO 527
Tensile Stress at Yield	- / 59	MPa	ISO 527
Tensile Elongation at Yield	- / 19	%	ISO 527
Tensile Elongation at Break	13 / 90	%	ISO 527
Impact Strength (Charpy, 23°C)	150 / 1000	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	150 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5 / 15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	69 / *	°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)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1140 / -	kg/m ³	ISO 1183