

Technical Data Sheet



ALTECH PA66 ECO 1000/617.03

Base Polymer	Polyamide 66
Special Features	impact modified,contains recycled material
Market Segment	Automotive,electrical and electronic,sport and leisure,various
Application Area	interior,fixtures / fittings,various
Typical Applications	bearings,housing and automotive trim unpainted,fluid reservoirs / tanks,batteries,various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content 0,15 % max. moisture content
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Processing Injection Moulding	melt temperature 270-290 °C mould temperature 40-80 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	58	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Strength	50	MPa	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	50	cm ³ /10min	ISO 1133
MVR temperature	275	°C	-
MVR load	5	kg	-
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1110	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.46	kg CO ₂ eq./kg	ISO 14040, 14044
Flammability			
Flammability (3.0 mm)	HB	class	UL 94