

Technical Data Sheet



ALTECH PA66 ECO 1000/517

Base Polymer	Polyamide 66
Special Features	impact modified,contains recycled material
Market Segment	Machinery,various
Typical Applications	housing and automotive trim unpainted,bearings and sliding elements,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 40-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress (3.5% Strain)	65	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Strength at Break	55	MPa	ISO 527
Tensile Elongation at Break	23	%	ISO 527
Impact Strength (Charpy, 23°C)	60	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	55	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1100	kg/m³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.47	kg CO ₂ eq./kg	ISO 14040, 14044