

Technical Data Sheet



ALTECH PA66 ECO 1000/618 IM



Base Polymer	Polyamide 66
Market Segment	various
Typical Applications	housing and automotive trim unpainted,various
Approvals	Stellantis Plastic Material Policy,B620300

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content 0,10 % max. moisture content
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	2400	MPa	ISO 178
Flexural Stress (3.5% Strain)	68	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Strength at Break	56	MPa	ISO 527
Tensile Elongation at Break	5.7	%	ISO 527
Impact Strength (Charpy, 23°C)	30	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)	68	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.9 - 1.3	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.6	%	ISO 294-4
Physical Properties			
Density	1130	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.35	kg CO ₂ eq./kg	ISO 14040, 14044