

Technical Data Sheet



ALTECH PA66 ECO 1000/561

MOCOM

Base Polymer	Polyamide 66
Special Features	impact modified,contains recycled material
Market Segment	Automotive,building and construction,various
Application Area	fixtures / fittings,transport systems,various
Typical Applications	housing and automotive trim unpainted,fixing elements,cable ties,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
-----------------------	--

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	2500	MPa	ISO 178
Flexural Strength	95	MPa	ISO 178
Tensile Modulus	2600	MPa	ISO 527
Tensile Strength	55	MPa	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	1120	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.44	kg CO ₂ eq./kg	ISO 14040, 14044