

Technical Data Sheet



ALTECH PA66 ECO 2035/500 GF35

Base Polymer	Polyamide 66
Filler/Additive System	35 % glass fibres
Special Features	contains recycled material, heat stabilised
Market Segment	Automotive, various
Application Area	cooling system, chassis, steering, radiator systems
Typical Applications	oil pump parts, housing and automotive trim unpainted, oil pans / sumps, bearing cages
Approvals	Ford Approved Source List (ASL)

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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	10000	MPa	ISO 178
Flexural Strength	250	MPa	ISO 178
Tensile Modulus	10800	MPa	ISO 527
Tensile Strength at Break	165	MPa	ISO 527
Tensile Elongation at Break	2.3	%	ISO 527
Impact Strength (Charpy, 23°C)	45	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	253	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1410	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.81	kg CO ₂ eq./kg	ISO 14040, 14044

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MOCOM

Diagrams

Stress-Strain

