Technical Data Sheet

Altech®

MOCOM

ALTECH PA66 A 2040/100.01 GF40

Base Polymer	Polyamide 66
Filler/Additive System	40 % glass fibres
Colour	black
Special Features	improved surface appearance,heat stabilised,high stiffness,injection moulding grade
Market Segment	Automotive,Machinery
Typical Applications	pedals,highly stressed parts

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

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	12000 / 7700	MPa	ISO 178
Flexural Strength	310 / 215	MPa	ISO 178
Tensile Modulus	13000 / 8400	MPa	ISO 527
Tensile Strength at Break	205 / 135	MPa	ISO 527
Tensile Elongation at Break	3 / 5	%	ISO 527
Impact Strength (Charpy, 23°C)	90 / 100	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / 15	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	9 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	255 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1460 / -	kg/m³	ISO 1183