

**ALTECH PA66 A 2035/109 GF35 WT1313-12**

(Last update: 11.04.2024)

**MOCOM**

Base Polymer	Polyamide 66
Filler/Additive System	35 % glass fibres
Special Features	heat stabilised,easy release (demoulding),injection moulding grade
Typical Applications	housings,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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	10500 / 6600	MPa	ISO 178
Flexural Strength	230 / 185	MPa	ISO 178
Tensile Modulus	11800 / 6800	MPa	ISO 527
Tensile Strength at Break	155 / 115	MPa	ISO 527
Tensile Elongation at Break	2.2 / 6.7	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	38 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	252 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.3	%	ISO 294-4
<b>Physical Properties</b>			
Density	1530 / -	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-

**Liability Exclusion**

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould



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design and processing conditions.

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