Technical Data Sheet

Altech® ECO

ALTECH PA6 ECO 2030/219 GF30 IM

(Last update: 28.11.2024)

M COM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	impact modified,injection moulding grade,heat stabilised,contains recycled material
Typical Applications	housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8000 / 5000	MPa	ISO 178
Flexural Strength	185 / 115	MPa	ISO 178
Tensile Modulus	9000 / 5400	MPa	ISO 527
Tensile Strength at Break	125 / 67	MPa	ISO 527
Tensile Elongation at Break	2.6 / 5	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / 54	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9 / 12	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	205 / *	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1320 / -	kg/m³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.58	kg CO_2 eq./kg	ISO 14040, 14044
Flammability			
Flammability (1.5 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-

Additional Information

When using raw materials from a recycling process, as with prime materials, ferrous / non-ferrous residues can never be completely

excluded. To minimize the risk of possible effects of such residues, MOCOM uses extensive detection and separation systems in the production process of its compounds. However, even these quality assurance systems cannot guarantee that the resulting product is 100% free of such residues. Therefore, we recommend our customers to additionally use their own detection and separation systems adapted to their respective process. For further questions and specific advice in connection with MOCOM products, please do not hesitate to contact our application engineering department. The ecological properties listed in this document were calculated for a production in one of our European plants. Data for production in the United States or China can be provided by sending a request to the following address. technical@mocom.eu

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 design and processing conditions.

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- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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