

ALTECH PA6 ECO 2030/177 GF30

(Last update: 20.09.2024)

MOCOM

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|------------------------|--|
| Base Polymer | Polyamide 6 |
| Filler/Additive System | 30 % glass fibres |
| Special Features | heat stabilised,easy release (demoulding),contains recycled material |
| Market Segment | Automotive,Machinery,building and construction,sport and leisure,Furniture |
| Application Area | injection moulded parts,interior decoration / finishing |
| Typical Applications | housings,functional components,handles |

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| 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 270-290 °C mould temperature 80-100 °C |
| Storage | dry, protected from light |

| Properties | Value | Dimension | Test Norm |
|--|-----------|-------------------|-------------|
| Mechanical Properties | | | |
| Flexural Modulus | 7900 | MPa | ISO 178 |
| Flexural Strength | 195 | MPa | ISO 178 |
| Tensile Modulus | 9300 | MPa | ISO 527 |
| Tensile Strength at Break | 140 | MPa | ISO 527 |
| Tensile Elongation at Break | 2.8 | % | 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) | 205 | °C | ISO 75-1/-2 |
| Rheological Properties | | | |
| Shrinkage (lengthwise, 24h) | 0.1 - 0.3 | % | ISO 294-4 |
| Shrinkage (lateral, 24h) | 0.5 - 0.7 | % | ISO 294-4 |
| Physical Properties | | | |
| Density | 1370 | kg/m ³ | ISO 1183 |

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.



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Liability Exclusion

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