

ALTECH PA6 A 2335/510 GF20 GB15 IM

(Last update: 11.04.2024)

MOCOM

| | |
|------------------------|---|
| Base Polymer | Polyamide 6 |
| Filler/Additive System | glass fibres / glass beads |
| Special Features | heat stabilised, impact modified, easy release (demoulding), injection moulding grade |
| Market Segment | various |
| Application Area | various, injection moulded parts, bezels, housings |

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|-------------------------------|--|
| Pre-Drying Conditions | in a dry air (desiccant) dryer 80-100 °C for 2-3 h max. moisture content <0,15 % |
| 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 | 6600 / - | MPa | ISO 178 |
| Flexural Strength | 190 / - | MPa | ISO 178 |
| Tensile Modulus | 7500 / - | MPa | ISO 527 |
| Tensile Strength at Break | 120 / - | MPa | ISO 527 |
| Tensile Elongation at Break | 3 / - | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 70 / - | kJ/m ² | ISO 179/1eU |
| Impact Strength (Charpy, -40°C) | 45 / - | kJ/m ² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 13 / - | kJ/m ² | ISO 179/1eA |
| Notched Impact Strength (Charpy, -40°C) | 6.5 / - | kJ/m ² | ISO 179/1eA |
| Thermal Properties | | | |
| HDT / A (1,8 MPa) | 205 / * | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 220 / * | °C | ISO 11357 |
| 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 | 1380 / - | kg/m ³ | ISO 1183 |

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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