

ALTECH® PA6 A 3050/100 GB50

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 3050/100 GB50 is a Polyamide 6 (Nylon 6) product filled with 50% glass bead. It is available in Asia Pacific, Europe, or North America.
Typical application: Housings.
Characteristics include:
REACH Compliant
RoHS Compliant
Good Mold Release
Heat Stabilizer
High Flow

| General Information | | | |
|---|---------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Bead,50% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Good Mold Release | | |
| | Heat Stabilized | | |
| | High Flow | | |
| | Low Warpage | | |
| Uses | Housings | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| RoHS Compliance | RoHS Compliant | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.56 | g/cm ³ | ISO 1183 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 5700 | MPa | ISO 527-2 |
| Tensile Stress | 70.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 2.6 | % | ISO 527-2 |
| Flexural Modulus | 5600 | MPa | ISO 178 |
| Flexural Stress | 120 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 2.7 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | 30 | kJ/m ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 90.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 200 | °C | ISO 306/B50 |
| Injection | Nominal Value | Unit | |
| Drying Temperature - Desiccant Dryer | 80.0 | °C | |
| Drying Time - Desiccant Dryer | 2.0 to 12 | hr | |
| Suggested Max Moisture | 0.15 | % | |

| | | |
|------------------------|-------------|----|
| Processing (Melt) Temp | 270 to 290 | °C |
| Mold Temperature | 80.0 to 100 | °C |

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Recommended distributors for this material

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