

# ALTECH® PA6 TG 3230/100 GB20 GF10

Polyamide 6  
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 TG 3230/100 GB20 GF10 is a Polyamide 6 (Nylon 6) product filled with 20% glass bead and 10% glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant  
RoHS Compliant  
Heat Stabilizer  
Warp Resistant

| General Information                               |                                  |       |             |
|---------------------------------------------------|----------------------------------|-------|-------------|
| Filler / Reinforcement                            | Glass Bead,20% Filler by Weight  |       |             |
|                                                   | Glass Fiber,10% Filler by Weight |       |             |
| Additive                                          | Heat Stabilizer                  |       |             |
| Features                                          | Heat Stabilized                  |       |             |
|                                                   | Low Warpage                      |       |             |
| Agency Ratings                                    | EC 1907/2006 (REACH)             |       |             |
| RoHS Compliance                                   | RoHS Compliant                   |       |             |
| Physical                                          | Nominal Value                    | Unit  | Test Method |
| Density                                           | 1.35                             | g/cm³ | ISO 1183    |
| Water Absorption (Saturation, 23°C)               | 6.5                              | %     | ISO 62      |
| Mechanical                                        | Nominal Value                    | Unit  | Test Method |
| Tensile Modulus                                   | 5700                             | MPa   | ISO 527-2   |
| Tensile Stress (Break)                            | 95.0                             | MPa   | ISO 527-2   |
| Tensile Strain (Break)                            | 3.0                              | %     | ISO 527-2   |
| Flexural Stress                                   | 150                              | MPa   | ISO 178     |
| Impact                                            | Nominal Value                    | Unit  | Test Method |
| Charpy Notched Impact Strength                    | 4.0                              | kJ/m² | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  | 50                               | kJ/m² | ISO 179/1eU |
| Thermal                                           | Nominal Value                    | Unit  | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 190                              | °C    | ISO 75-2/A  |
| Vicat Softening Temperature                       | 205                              | °C    | ISO 306/B50 |
| Injection                                         | Nominal Value                    | Unit  |             |
| Drying Temperature                                | 80.0                             | °C    |             |
| Drying Time                                       | 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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