

# ALTECH® PP-B B 2020/550 GF20

Polypropylene Copolymer

ALBIS PLASTIC GmbH

## Message:

ALTECH® PP-B B 2020/550 GF20 is a Polypropylene Copolymer (PP Copolymer) product filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

Chemically Coupled

Copolymer

| General Information                               |                                  |           |             |
|---------------------------------------------------|----------------------------------|-----------|-------------|
| Filler / Reinforcement                            | Glass Fiber,20% Filler by Weight |           |             |
| Features                                          | Chemically Coupled               |           |             |
|                                                   | Copolymer                        |           |             |
| Agency Ratings                                    | EC 1907/2006 (REACH)             |           |             |
| RoHS Compliance                                   | RoHS Compliant                   |           |             |
| Physical                                          | Nominal Value                    | Unit      | Test Method |
| Density                                           | 1.00                             | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)       | 8.00                             | cm³/10min | ISO 1133    |
| Mechanical                                        | Nominal Value                    | Unit      | Test Method |
| Tensile Modulus                                   | 4400                             | MPa       | ISO 527-2   |
| Tensile Stress                                    | 65.0                             | MPa       | ISO 527-2   |
| Tensile Strain (Break)                            | 4.0                              | %         | ISO 527-2   |
| Flexural Modulus                                  | 3400                             | MPa       | ISO 178     |
| Flexural Stress                                   | 95.0                             | MPa       | ISO 178     |
| Impact                                            | Nominal Value                    | Unit      | Test Method |
| Charpy Notched Impact Strength                    |                                  |           | ISO 179/1eA |
| --                                                | 15                               | kJ/m²     |             |
| -40°C                                             | 9.0                              | kJ/m²     |             |
| -20°C                                             | 10                               | kJ/m²     |             |
| Charpy Unnotched Impact Strength                  | 50                               | kJ/m²     | ISO 179/1eU |
| Thermal                                           | Nominal Value                    | Unit      | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 140                              | °C        | ISO 75-2/A  |
| Vicat Softening Temperature                       | 115                              | °C        | ISO 306/B50 |
| Injection                                         | Nominal Value                    | Unit      |             |
| Drying Temperature                                | 80.0 to 120                      | °C        |             |
| Drying Time                                       | 2.0 to 3.0                       | hr        |             |
| Processing (Melt) Temp                            | 200 to 270                       | °C        |             |

|                  |              |    |
|------------------|--------------|----|
| Mold Temperature | 20.0 to 90.0 | °C |
|------------------|--------------|----|

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