

# ALTECH® PA66 A 2050/100 GF50

Polyamide 66  
ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 A 2050/100 GF50 is a Polyamide 66 (Nylon 66) product filled with 50% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Good Mold Release
- Heat Stabilizer
- High Stiffness

| General Information                               |       |                                  |                   |             |
|---------------------------------------------------|-------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            |       | Glass Fiber,50% Filler by Weight |                   |             |
| Additive                                          |       | Heat Stabilizer                  |                   |             |
| Features                                          |       | Good Mold Release                |                   |             |
|                                                   |       | Heat Stabilized                  |                   |             |
|                                                   |       | High Stiffness                   |                   |             |
| Agency Ratings                                    |       | EC 1907/2006 (REACH)             |                   |             |
| RoHS Compliance                                   |       | RoHS Compliant                   |                   |             |
| Processing Method                                 |       | Injection Molding                |                   |             |
| Physical                                          | Dry   | Conditioned                      | Unit              | Test Method |
| Density                                           | 1.56  | --                               | g/cm <sup>3</sup> | ISO 1183    |
| Water Absorption                                  |       |                                  |                   | ISO 62      |
| Saturation, 23°C                                  | 4.0   | --                               | %                 |             |
| Equilibrium, 23°C, 50% RH                         | 1.2   | --                               | %                 |             |
| Mechanical                                        | Dry   | Conditioned                      | Unit              | Test Method |
| Tensile Modulus                                   | 14500 | --                               | MPa               | ISO 527-2   |
| Tensile Stress (Break)                            | 212   | --                               | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 3.0   | --                               | %                 | ISO 527-2   |
| Flexural Modulus                                  | 14100 | --                               | MPa               | ISO 178     |
| Flexural Stress                                   | 326   | --                               | MPa               | ISO 178     |
| Impact                                            | Dry   | Conditioned                      | Unit              | Test Method |
| Charpy Notched Impact Strength                    | 12    | --                               | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  | 85    | --                               | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                           | Dry   | Conditioned                      | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 256   | --                               | °C                | ISO 75-2/A  |

|                                      |             |             |         |             |
|--------------------------------------|-------------|-------------|---------|-------------|
| Vicat Softening Temperature          | 256         | --          | °C      | ISO 306/B50 |
| Electrical                           | Dry         | Conditioned | Unit    | Test Method |
| Surface Resistivity                  | --          | 1.0E+14     | ohms    | IEC 60093   |
| Volume Resistivity                   | 1.0E+17     | --          | ohms·cm | IEC 60093   |
| Comparative Tracking Index           | 550         | --          | V       | IEC 60112   |
| Injection                            | Dry         | 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               | 280 to 300  |             | °C      |             |
| Mold Temperature                     | 80.0 to 120 |             | °C      |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

