

# Bergamid™ BG6000-8036 RS BK001

Polyamide 6  
PolyOne Corporation

Message:  
Glass fiber reinforced PA6 compound.

| General Information                                              |                                                       |                   |                 |
|------------------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------|
| Filler / Reinforcement                                           | Glass fiber reinforced material, 30% filler by weight |                   |                 |
| Appearance                                                       | Black                                                 |                   |                 |
| Processing Method                                                | Injection molding                                     |                   |                 |
| Physical                                                         | Nominal Value                                         | Unit              | Test Method     |
| Specific Gravity                                                 | 1.37                                                  | g/cm <sup>3</sup> | ISO 1183        |
| Molding Shrinkage                                                | 0.30 - 0.60                                           | %                 | ASTM D955       |
| Mechanical                                                       | Nominal Value                                         | Unit              | Test Method     |
| Tensile Strength                                                 | 160                                                   | MPa               | ISO 527-2       |
| Flexural Modulus                                                 | 8500                                                  | MPa               | ISO 178         |
| Flexural Strength                                                | 240                                                   | MPa               | ISO 178         |
| Impact                                                           | Nominal Value                                         | Unit              | Test Method     |
| Charpy Notched Impact Strength                                   | 12                                                    | kJ/m <sup>2</sup> | ISO 179         |
| Thermal                                                          | Nominal Value                                         | Unit              | Test Method     |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 210                                                   | °C                | ASTM D648       |
| Electrical                                                       | Nominal Value                                         | Unit              | Test Method     |
| Surface Resistivity                                              | 1.0E+14                                               | ohms              | ASTM D257       |
| Flammability                                                     | Nominal Value                                         | Unit              | Test Method     |
| Flame Rating (1.60 mm)                                           | HB                                                    |                   | Internal method |
| Injection                                                        | Nominal Value                                         | Unit              |                 |
| Drying Temperature                                               | 80.0 - 90.0                                           | °C                |                 |
| Drying Time                                                      | 4.0 - 6.0                                             | hr                |                 |
| Rear Temperature                                                 | 240 - 280                                             | °C                |                 |
| Middle Temperature                                               | 240 - 280                                             | °C                |                 |
| Front Temperature                                                | 240 - 280                                             | °C                |                 |
| Mold Temperature                                                 | 65.0 - 85.0                                           | °C                |                 |
| Injection instructions                                           |                                                       |                   |                 |

Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW

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

