

# Bergamid™ PA6-MW30 GR002

Polyamide 6

PolyOne Corporation

## Message:

Glass fiber and glass beads reinforced PA6 compound

| General Information                                                                        |                                                |                   |                 |
|--------------------------------------------------------------------------------------------|------------------------------------------------|-------------------|-----------------|
| Filler / Reinforcement                                                                     | Glass Beads \Glass Fiber, 30% Filler by Weight |                   |                 |
| Appearance                                                                                 | Green                                          |                   |                 |
| Processing Method                                                                          | Injection molding                              |                   |                 |
| Physical                                                                                   | Nominal Value                                  | Unit              | Test Method     |
| Specific Gravity                                                                           | 1.41                                           | g/cm <sup>3</sup> | ASTM D792       |
| Molding Shrinkage                                                                          | 0.20 - 0.60                                    | %                 | ASTM D955       |
| Mechanical                                                                                 | Nominal Value                                  | Unit              | Test Method     |
| Tensile Strength <sup>1</sup>                                                              | 115                                            | MPa               | ASTM D638       |
| Flexural Modulus <sup>2</sup>                                                              | 6500                                           | MPa               | ASTM D790       |
| Flexural Strength <sup>3</sup>                                                             | 180                                            | MPa               | ASTM D790       |
| Impact                                                                                     | Nominal Value                                  | Unit              | Test Method     |
| Notched Izod Impact (23°C, 3.20 mm)                                                        | 80                                             | J/m               | ASTM D256       |
| Thermal                                                                                    | Nominal Value                                  | Unit              | Test Method     |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)                           | 180                                            | °C                | ASTM D648       |
| Electrical                                                                                 | Nominal Value                                  | Unit              | Test Method     |
| Surface Resistivity                                                                        | > 1.0E+12                                      | ohms              | ASTM D257       |
| Flammability                                                                               | Nominal Value                                  | Unit              | Test Method     |
| Flame Rating (3.20 mm)                                                                     | HB                                             |                   | Internal method |
| Injection                                                                                  | Nominal Value                                  | Unit              |                 |
| Drying Temperature                                                                         | 80.0 - 90.0                                    | °C                |                 |
| Drying Time                                                                                | 2.0 - 4.0                                      | hr                |                 |
| Processing (Melt) Temp                                                                     | 240 - 280                                      | °C                |                 |
| Mold Temperature                                                                           | 65.0 - 85.0                                    | °C                |                 |
| Injection instructions                                                                     |                                                |                   |                 |
| Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW |                                                |                   |                 |
| NOTE                                                                                       |                                                |                   |                 |
| 1.                                                                                         | 5.0 mm/min                                     |                   |                 |
| 2.                                                                                         | 1.3 mm/min                                     |                   |                 |
| 3.                                                                                         | 1.3 mm/min                                     |                   |                 |

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.

## 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



WECHAT