# Bergamid™ B70 GK25 UV BK

Polyamide 6

PolyOne Corporation

## Message:

Bergamid™ B70 GK25 UV BK is a Polyamide 6 (Nylon 6) product filled with 25% glass bead. It is available in Africa & Middle East, Asia Pacific, or Europe.
Characteristics include:
RoHS Compliant
Good UV Resistance

| General Information | | | | |
|---|---|---|---|---|
| Filler / Reinforcement | Glass Bead,25% Filler by Weight | | | |
| Features | Good UV Resistance | | | |
| RoHS Compliance | RoHS Compliant | | | |
| Forms | Pellets | | | |
| **Physical** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Density [1] (23°C) | 1.31 | -- | g/cm³ | DIN 53479 |
| Molding Shrinkage [2] | 2.0 | -- | % | ISO 294-4 |
| Ash Content | 25 | -- | % | ISO 3451 |
| Maximum Use Temperature | | | | IEC 60216 |
| -- [3] | 95 | -- | °C | |
| Short Time | 190 | -- | °C | |
| **Mechanical** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Tensile Modulus (23°C, 4.00 mm, Injection Molded) | 4300 | 4000 | MPa | ISO 527-2/1 |
| Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded) | 58.0 | 52.0 | MPa | ISO 527-2/5 |
| Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded) | 8.7 | 10 | % | ISO 527-2/5 |
| **Impact** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | | ISO 179 |
| -30°C, Injection Molded | 3.0 | -- | kJ/m² | |
| 23°C, Injection Molded | 2.7 | 4.4 | kJ/m² | |
| Charpy Unnotched Impact Strength | | | | ISO 179 |
| -30°C, Injection Molded | 19 | -- | kJ/m² | |
| 23°C, Injection Molded | 28 | 32 | kJ/m² | |
| **Thermal** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 205 | -- | °C | ISO 75-2/B |
| Melting Temperature (DSC) | 223 | -- | °C | ISO 3146 |
| **Electrical** | **Dry** | **Conditioned** | **Unit** | **Test Method** |

| | | | | |
|---|---|---|---|---|
| Surface Resistivity | 1.0E+14 | 1.0E+12 | ohms | IEC 60093 |
| Volume Resistivity | 1.0E+15 | 1.0E+13 | ohms·cm | IEC 60093 |

| NOTE | |
|---|---|
| 1. | ±0.03 g/cm³ |
| 2. | Bergmann method |
| 3. | Continuous (GTP 50% Tensile) |



## Recommended distributors for this material

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