

# Bergamid™ A70 TM-Z UV BK171

Polyamide 66

PolyOne Corporation

Message:

Impact modified, UV resistant

| General Information                                                                        |                     |                   |             |
|--------------------------------------------------------------------------------------------|---------------------|-------------------|-------------|
| Additive                                                                                   | Impact modifier     |                   |             |
| Features                                                                                   | Impact modification |                   |             |
|                                                                                            | Good UV resistance  |                   |             |
| Appearance                                                                                 | Black               |                   |             |
| Processing Method                                                                          | Injection molding   |                   |             |
| Physical                                                                                   | Nominal Value       | Unit              | Test Method |
| Specific Gravity                                                                           | 1.07                | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                                                   | 1.7 - 2.0           | %                 | ASTM D955   |
| Mechanical                                                                                 | Nominal Value       | Unit              | Test Method |
| Tensile Strength <sup>1</sup>                                                              | 50.0                | MPa               | ASTM D638   |
| Flexural Modulus <sup>2</sup>                                                              | 1800                | MPa               | ASTM D790   |
| Flexural Strength <sup>3</sup>                                                             | 80.0                | MPa               | ASTM D790   |
| Impact                                                                                     | Nominal Value       | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.20 mm)                                                        | 800                 | J/m               | ASTM D256   |
| Thermal                                                                                    | Nominal Value       | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)                           | 60.0                | °C                | ASTM D648   |
| Injection                                                                                  | Nominal Value       | Unit              |             |
| Drying Temperature                                                                         | 80.0 - 90.0         | °C                |             |
| Drying Time                                                                                | 4.0 - 6.0           | hr                |             |
| Rear Temperature                                                                           | 260 - 280           | °C                |             |
| Middle Temperature                                                                         | 260 - 280           | °C                |             |
| Front Temperature                                                                          | 260 - 280           | °C                |             |
| Mold Temperature                                                                           | 65.0 - 85.0         | °C                |             |
| Injection instructions                                                                     |                     |                   |             |
| Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW |                     |                   |             |
| NOTE                                                                                       |                     |                   |             |
| 1.                                                                                         | 50 mm/min           |                   |             |
| 2.                                                                                         | 1.3 mm/min          |                   |             |
| 3.                                                                                         | 1.3 mm/min          |                   |             |

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