



**TRIVALENCE**

# TriLON™ 62BG35 (U,L,HS,N)

**Polyamide Nylon 6**

**General Information**

**Product Description**

35% Glass Fiber Reinforced Nylon 6 offered with various additives.

**FEATURES**

- Great Strength
- Oil/Solvent Resistant
- Impact Modified
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 35% Glass Fiber Reinforced

**ADDITIONAL FORMULAS**

- Added Lubricant "L"
- Additional UV "U"
- Additional Heat Stabilizers "HS"
- Nucleated "N"

**COLOR**

- All
- Translucent/Opaque

**General**

- Typical Applications** -Appliance, automotive, general, pumps, impellers, housings
- Processing Method** -Injection
- Form(s)** -Pellets
- Compliance** -RoHS Compliant - TVT
- Availability** -North America, Europe, Latin America

**ASTM / ISO Properties<sup>1</sup>**

|  | <b>Nominal Value Unit</b> | <b>Test Method</b>  |
|--|---------------------------|---------------------|
| <b>Physical</b>                              |                           |                     |
| Density                                      | 1.40 g/cm <sup>3</sup>    | ASTM D792           |
| Molding Shrinkage - Flow (3.2mm)             | 0.2 to 0.5 %              | ASTM D955           |
| Outdoor Suitability (QUV) ("U" Grades)       | Pass                      | TVT Internal        |
| <b>Mechanical</b>                            |                           |                     |
| Tensile Strength, brk                        | 22,500 psi                | ASTM D638           |
| Tensile Strain                               | >3 %                      | ASTM D638           |
| Flexural Modulus                             | 1,250,000 psi             | ASTM D790           |
| Notched Izod Impact                          | 2.5 ft-lbs/in             | ASTM D256           |
| <b>Thermal</b>                               |                           |                     |
| Deflection Temperature Under Load (0.45 MPa) | 420 °F                    | ASTM D648           |
| Deflection Temperature Under Load (1.8 MPa)  | 405 °F                    | ASTM D648           |
| Melting Point                                | 428 °F                    | TVT Internal        |
| <b>Flammability</b>                          |                           |                     |
| 0.06 in                                      | HB                        | UL94 - TVT Internal |

**Recommended Processing Guidance**

- Drying Temperature 170 to 190 °F
- Drying Time - DESSICANT 3 to 6 Hours
- Suggested Max Moisture 0.2 %
- Processing Melt Temperature 480 to 530 °F
- Mold Temperature 130 to 195 °F