



TRIVALENCE

TriLON™ 61BG23 (U,L,HS,N)

Polyamide Nylon 6

General Information

Product Description

General purpose, 23% Glass Fiber Reinforced Nylon 6 offered with various additives

FEATURES

-Great Strength -Oil/Solvent Resistant
 -Fast Cyling -High Rigidity
 -Excellent Chemical Resistance
 -Gasoline Resistant
 -23% Glass Fiber Reinforced

ADDITIONAL FORMULAS

-Added Lubricant "L"
 -Additional UV "U"
 -Additonal 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 Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|---------------------|
| Density | 1.30 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.2mm) | 0.2 to 0.5 | % | TVT Internal |
| Outdoor Suitability (QUV) ("U" Grades) | Pass | | TVT Internal |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength, yld | 19200 | psi | ASTM D638 |
| Tensile Strain | >2 | % | ASTM D638 |
| Flexural Modulus | 900000 | psi | ASTM D790 |
| Notched Izod Impact | 1 | ft-lbs/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa) | 390 | °F | ASTM D648 |
| Deflection Temperature Under Load (1.8 MPa) | 370 | °F | ASTM D648 |
| Melting Point | 428 | °F | TVT Internal |
| Flammability | Nominal Value | Unit | Test Method |
| 0.06 in | HB | | UL94 - TVT Internal |

Recommended Processing Guidance

Drying Temperature 150 to 175 °F
 Drying Time - DESSICANT 3 to 6 Hours
 Suggested Max Moisture 0.2 %
 Processing Melt Temperature 540 to 570 °F
 Mold Temperature 140 to 200 °F