



TRIVALENCE

TriLON™ 661G35 (U,L,HS,N)

Polyamide Nylon 66

General Information

Product Description

General purpose, 35% Glass Fiber Reinforced Nylon 66 offered with various additives.

FEATURES

- Good Strength
- Oil/Solvent Resistant
- Fast Cyling
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 35% 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 | 1.40 g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.2mm) | 0.4 to 0.8 % | TVT Internal |
| Outdoor Suitability (QUV) ("U" Grades) | Pass | TVT Internal |
| Mechanical | Nominal Value Unit | Test Method |
| Tensile Strength, yld | 24000 psi | ASTM D638 |
| Tensile Strain | >3 % | ASTM D638 |
| Flexural Modulus | 1300000 psi | ASTM D790 |
| Notched Izod Impact | 1.2 ft-lbs/in | ASTM D256 |
| Thermal | Nominal Value Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa) | 465 °F | ASTM D648 |
| Deflection Temperature Under Load (1.8 MPa) | 450 °F | ASTM D648 |
| Melting Point | 504 °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 |