



TRIVALENCE

TriLON™ 61BG25FR0 (U,L,HS,N) ISO

Polyamide Nylon 6

General Information

Product Description

General purpose, 25% Glass Fiber Reinforced Nylon 6 flame retardant.

FEATURES

- Good Strength
- Oil/Solvent Resistant
- Fast Cyling
- Flame Retardant
- Excellent Chemical Resistance
- Gasoline Resistant
- 25% 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	1.38 g/cm ³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.8 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	118 MPa	ISO 527
Tensile Strain	>3 %	ISO 527
Flexural Modulus	7000 MPa	ISO 178
Charpy Notched 23°C	7 kJ/m ²	ISO 179
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	200 °C	ISO 75
Melting Point	220 °C	TVT Internal
Flammability	Nominal Value Unit	Test Method
0.06 in	V-0	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 |