



TRIVALENCE

TriLON™ 661BG30HHS (U,L,HS,N) ISO

Polyamide Nylon 66

General Information

Product Description

30% Glass Fiber Reinforced Nylon 66 offered with various additives. High Strength

FEATURES

- Hydrolysis Resistant -Oil/Solvent Resistant
- Fast Cyling -High Heat Resistance
- High Strength -Excellent Chemical Resistance
- Gasoline Resistant
- 30% 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, transportation, pumps, impellers, housings, gears
- 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	1.36 g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.7 %	ISO 294
Molding Shrinkage - x- Flow (3.2mm)	1.0 to 1.4 %	ISO 294
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal

Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	150 MPa	ISO 527
Tensile Strain	>3.0 %	ISO 527
Flexural Modulus	9000 MPa	ISO 178
Notched Izod Impact	9 kJ/m ²	ISO 180

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	245 °C	ISO 75
Melting Temperature	262 °C	ISO 3146

Flammability

	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	70 to 90 °C
Drying Time - DESSICANT	3 to 6 Hours
Suggested Max Moisture	0.2 %
Processing Melt Temperature	285 to 305 °C
Mold Temperature	80 to 100 °C