



**TRIVALENCE**

# TriLON 661BG50M2(U,L,HS,N)

**Polyamide Nylon 66**

Headquarters  
3001 Maxx Road  
Evansville, IN 47711  
800.209.2517

trivalencetechnologies.com

## General Information

### Product Description

Nylon 66 Glass Reinforced, Lubed

#### FEATURES

- Great Strength -Oil/Solvent Resistant
- 50% Glass Filled
- Excellent Chemical Resistance
- Gasoline Resistant
- Molybdenum Disulfide Lubricated

#### ADDITIONAL FORMULAS

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

#### COLOR

- Dark Grey or Black Only

### 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>

Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2mm)	.2-.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	33000	psi	ASTM D638
Tensile Strain	>2.5	%	ASTM D638
Flexural Modulus	2200000	psi	ASTM D790
Notched Izod Impact	2.5	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	260	°C	ASTM D648
Melting Point	510	°F	TVT Internal
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

### Recommended Processing Guidance

- Drying Temperature 175 to 200 °F
- Drying Time - DESSICANT 3 to 6 Hours
- Suggested Max Moisture 0.2 %
- Processing Melt Temperature 550 to 610 °F
- Mold Temperature 140 to 200 °F

<sup>1</sup> Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.