



**TRIVALENCE**

Headquarters  
3001 Maxx Rd  
Evansville, IN 47711  
800.209.2517

# TriLON™ 661BG15FR0 (U,L,HS,N)

[trivalencetechnologies.com](http://trivalencetechnologies.com)

## Polyamide Nylon 66

### General Information

#### Product Description

General purpose, 15% Glass Fiber Reinforced Nylon 66 Flame Retardant

#### FEATURES

- Great Strength
- Oil/Solvent Resistant
- Fast Cyling
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 15% Glass Fiber Reinforced
- Flame Retardant

#### 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 Properties<sup>1</sup>

Physical	Nominal Value Unit	Test Method
Density	1.31 g/cm <sup>3</sup>	ASTM D792
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	110 MPa	ISO 527
Tensile Strain,brk	>2 %	ISO 527
Flexural Modulus	5,500 MPa	ISO 178
Charpy Notched Impact	5.2 kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	200 °C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	190 °C	ISO 75
Melting Point	260 °C	TVT Internal
Flammability	Nominal Value Unit	Test Method
2.5 mm	V0	UL94 - TVT Internal

#### Recommended Processing Guidance

- Drying Temperature 170 to 220 °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

<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.