



**TRIVALENCE**

# TriLON™ 661BG13 (U,L,HS,N)

**Polyamide Nylon 66**

## General Information

### Product Description

General purpose, 13% Glass Fiber Reinforced Nylon 66 offered with various additives.

#### FEATURES

-Great Strength -Oil/Solvent Resistant  
 -Fast Cyling -High Rigidity  
 -Excellent Chemical Resistance  
 -Gasoline Resistant  
 -13% 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 Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.23	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, yld	15000	psi	ASTM D638
Tensile Strain	>3	%	ASTM D638
Flexural Modulus	600000	psi	ASTM D790
Notched Izod Impact	0.7	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	470	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	435	°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