



**TRIVALENCE**

# TriLON™ 662BG33 (U,L,HS,N)

**Polyamide Nylon 66**

## General Information

### Product Description

General purpose, 33% Glass Fiber Reinforced Nylon 66 offered with various additives.

#### FEATURES

- Great Strength
- Oil/Solvent Resistant
- Fast Cyling
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 33% 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>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	1.39	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.8	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
<b>Mechanical</b>			
Tensile Strength, yld	27000	psi	ASTM D638
Tensile Strain	>3	%	ASTM D638
Flexural Modulus	1400000	psi	ASTM D790
Notched Izod Impact	1.6	ft-lbs/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (0.45 MPa)	480	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	460	°F	ASTM D648
Melting Point	504	°F	TVT Internal
<b>Flammability</b>			
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