



**TRIVALENCE**

# TriLON™ 61BG30 (U,L,HS,N) ISO

**Polyamide Nylon 6**

## General Information

### Product Description

General purpose, 30% Glass Fiber Reinforced Nylon 6 offered with various additives

#### FEATURES

-Superior Strength -Oil/Solvent Resistant  
 -Fast Cyling -High Rigidity  
 -Excellent Chemical Resistance  
 -Gasoline Resistant  
 -30% 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	1.36 g/cm <sup>3</sup>	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.6 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
<b>Mechanical</b>		
Tensile Strength, brk	165 MPa	ISO 527
Tensile Strain	>3 %	ISO 527
Flexural Modulus	8600 MPa	ISO 178
Charpy Notched 23°C	11 kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>		
Deflection Temperature Under Load (1.8 MPa)	205 °C	ISO 75
Melting Point	220 °C	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