



**TRIVALENCE**

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# TriLON™ 61BG30 (U,L,HS,N) ISO

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## 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"
- Additional Heat Stabilizers "HS"
- Nucleated "N"

#### COLOR

- All
- Translucent/Opaque

#### General

<b>Typical Applications</b>	-Appliance, automotive, general, pumps, impellers, housings
<b>Processing Method</b>	-Injection
<b>Form(s)</b>	-Pellets
<b>Compliance</b>	-RoHS Compliant - TVT
<b>Availability</b>	-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

<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.