



**TRIVALENCE**

# TriLON™ 61AG14 (U,L,HS,N)

**Polyamide Nylon 6**

## General Information

### Product Description

General purpose, 14% Glass Fiber Reinforced Nylon 6 offered with various additives.

#### FEATURES

- Superior Strength -Oil/Solvent Resistant
- Fast Cyling -High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 14% 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>

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	14000 psi	ASTM D638
Tensile Strain	>3 %	ASTM D638
Flexural Modulus	700000 psi	ASTM D790
Notched Izod Impact	0.9 ft-lbs/in	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	460 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	430 °F	ASTM D648
Melting Point	428 °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