



**TRIVALENCE**

# TriLON™ 61CG33 (U,L,HS,N)

**Polyamide Nylon 6**

## General Information

### Product Description

33% Glass Fiber Reinforced Nylon 6 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	1.38	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	ASTM D955
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
<b>Mechanical</b>			
Tensile Strength, brk	21,500	psi	ASTM D638
Tensile Strain	>2	%	ASTM D638
Flexural Modulus	1000000	psi	ASTM D790
Notched Izod Impact	1.2	ft-lbs/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (0.45 MPa)	390	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	370	°F	ASTM D648
Melting Point	430	°F	TVT Internal
<b>Flammability</b>			
0.06 in	HB		UL94 - TVT Internal

### Recommended Processing Guidance

Drying Temperature 170 to 190 °F  
 Drying Time - DESSICANT 3 to 6 Hours  
 Suggested Max Moisture 0.2 %  
 Processing Melt Temperature 480 to 530 °F  
 Mold Temperature 130 to 195 °F