



**TRIVALENCE**

# TriLON™ 661CG50 (U,L,HS,N)

**Polyamide Nylon 66**

## General Information

### Product Description

General purpose, 50% Glass Fiber Reinforced Nylon 66 offered with various additives.

#### FEATURES

- Good Strength
- Oil/Solvent Resistant
- Fast Cyling
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 50% Glass Fiber Reinforced

#### ADDITIONAL FORMULAS

- Added Lubricant "L"
- Additional UV "U"
- Additonal 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	1.58 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.1 to 0.3 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	28,000 psi	ASTM D638
Tensile Strain	>2 %	ASTM D638
Flexural Modulus	1,800,000 psi	ASTM D790
Notched Izod Impact	1.8 ft-lbs/in	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	490 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	470 °F	ASTM D648
Melting Point	504 °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 |