



TRIVALENCE

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# TriLON 662CG15 (U,L,HS,N)

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## Polyamide Nylon 66

### General Information

#### Product Description

General purpose, 15% Glass Fiber Reinforced Nylon 66 offered with various additives.

#### FEATURES

- Good Strength
- Fast Cyling
- Excellent Chemical Resistance
- Gasoline Resistant
- 15% Glass Fiber Reinforced
- Impact Modified
- Oil/Solvent Resistant
- High Rigidity

#### ADDITIONAL FORMULAS

- Added Lubricant "L"
- Additional UV "U"
- Additional 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>

#### Physical

	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.6 to 0.9	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal

#### Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength, yld	13000	psi	ASTM D638
Tensile Strain	>5	%	ASTM D638
Flexural Modulus	480000	psi	ASTM D790
Notched Izod Impact	1.4	ft-lbs/in	ASTM D256

#### Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	440	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	390	°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

<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.