



TRIVALENCE

TriLON™ 661CG40 (U,L)

Polyamide Nylon 66

General Information

Product Description

General purpose, 40% Glass Fiber Reinforced Nylon 66 offered with various additives.

FEATURES

- Good Strength
- Oil/Solvent Resistant
- Fast Cyling
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 40% Glass Fiber Reinforced

ADDITIONAL FORMULAS

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

COLOR

- Black Only

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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.1 to 0.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	25,000	psi	ASTM D638
Tensile Strain	>2	%	ASTM D638
Flexural Modulus	1500000	psi	ASTM D790
Notched Izod Impact	1.5	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	480	°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