



TRIVALENCE

TriLON 661BG50M2(U,L,HS,N)

Polyamide Nylon 66

General Information

Product Description

Nylon 66 Glass Reinforced, Lubed

FEATURES

- Great Strength -Oil/Solvent Resistant
- 50% Glass Filled
- Excellent Chemical Resistance
- Gasoline Resistant
- Molybdenum Disulfide Lubricated

ADDITIONAL FORMULAS

- Added Lubricant "L"
- Additional UV "U"
- Additional Heat Stabilizers "HS"
- Nucleated "N"

COLOR

-Dark Grey or 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	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	.2-.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	33000	psi	ASTM D638
Tensile Strain	>2.5	%	ASTM D638
Flexural Modulus	2200000	psi	ASTM D790
Notched Izod Impact	2.5	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	260	°C	ASTM D648
Melting Point	510	°F	TVT Internal
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

- Drying Temperature 175 to 200 °F
- Drying Time - DESSICANT 3 to 6 Hours
- Suggested Max Moisture 0.2 %
- Processing Melt Temperature 550 to 610 °F
- Mold Temperature 140 to 200 °F