



TRIVALENCE

TriLON™ 62CG50 (U,L,HS,N)

Polyamide Nylon 6

General Information

Product Description

50% Glass Fiber Reinforced Nylon 6 offered with various additives.

FEATURES

- Superior 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"
- 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 Properties¹

Physical	Nominal Value Unit	Test Method
Density	1.56 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.1 to 0.3 %	ASTM D955
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	25,000 psi	ASTM D638
Tensile Strain	>3 %	ASTM D638
Flexural Modulus	1,700,000 psi	ASTM D790
Notched Izod Impact	2.5 ft-lbs/in	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	405 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	385 °F	ASTM D648
Melting Point	430 °F	TVT Internal
Flammability	Nominal Value Unit	Test Method
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 530 to 570 °F
- Mold Temperature 130 to 195 °F