



TRIVALENCE

TriLON™ 612G33 (U,L,HS,N)

Polyamide 612

General Information

Product Description

33% Glass Fiber Reinforced Nylon 612 offered with various additives.

FEATURES

- Superior Strength -Oil/Solvent Resistant
- Fast Cyling -High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 33% Glass Fiber Reinforced
- Impact Modified

ADDITIONAL FORMULAS

- Added Lubricant "L"
- Additional UV "U"
- Additonal 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	1.32 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	24000 psi	ASTM D638
Tensile Strain	>3 %	ASTM D638
Flexural Modulus	1200000 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)	410 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	390 °F	ASTM D648
Melting Point	425 °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 |