



TRIVALENCE

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TriLON™ 61BG30FR0 (U,L,HS,N) ISO

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Polyamide Nylon 6

General Information

Product Description

General purpose, 30% Glass Fiber Reinforced Nylon 6 flame retardant.

FEATURES

- Good Strength
- Oil/Solvent Resistant
- Fast Cyling
- Flame Retardant
- Excellent Chemical Resistance
- Gasoline Resistant
- 30% 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

	Nominal Value	Unit	Test Method
Physical			
Density	1.42	g/cm ³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical			
Tensile Strength, brk	130	MPa	ISO 527
Tensile Strain	>3	%	ISO 527
Flexural Modulus	10000	MPa	ISO 178
Charpy Notched 23°C	8	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load (1.8 MPa)	205	°C	ISO 75
Melting Point	220	°C	TVT Internal
Flammability			
0.06 in	V-0		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

¹ 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.