

TM



TRIVALENCE

TriLON™ 61BG30 (U,L,HS,N)

Polyamide Nylon 6

General Information

Product Description

30% Glass Fiber Reinforced Nylon 6 offered with various additives

FEATURES

- Great Strength
- Oil/Solvent Resistant
- Fast Cyling
- High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant
- 30% Glass Fiber Reinforced

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	1.36	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.6	%	ASTM D955
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, brk	23,000	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)	420	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	370	°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	480 to 530 °F
Mold Temperature	130 to 195 °F