TRIVALENCE

TriLON™ 61CG50 (U,L,HS,N)

Polyamide Nylon 6

General Information

Product Description

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

FEATURES		ADDITIONAL FORMULAS	COLOR
-Great Strength	-Oil/Solvent Resistant	-Added Lubricant "L"	-All
-Fast Cyling	-High Rigidity	-Additional UV "U"	-Translucent/Opaque
-Excellent Chemical Resistance		-Additonal Heat Stabilizers "HS"	
-Gasoline Resistant		-Nucleated "N"	
-50% Glass Fiber Reinforced			

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 Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	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	25,500	psi	ASTM D638
Tensile Strain	>3	%	ASTM D638
Flexural Modulus	1,500,000	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)	395	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	380	°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