TRIVALENCE

TriLON™ 61BGM40 (U,L,HS,N) ISO

Polyamide Nylon 6

General Information

Product Description

General purpose, 40% Glass Mineral Reinforced Nylon 6 offered with various additives

FEATURES		ADDITIONAL FORMULAS	COLOR
-Superior Strengt	-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"	
-40% Glass Mineral 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	1.49	g/cm³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, brk	135	MPa	ISO 527
Tensile Strain	>2	%	ISO 527
Flexural Modulus	8200	MPa	ISO 178
Charpy Notched 23°C	5	kj/m2	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa)	200	°C	ISO 75
Melting Point	220	°C	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