TRIVALENCE

TriLON™ 661BG35 (U,L,HS,N) ISO

Polyamide Nylon 66

General Information

Product Description

35% Glass Fiber Reinforced Nylon 66 offered with various additives. High Strength

FEATURES		ADDITIONAL FORMULAS	COLOR
-Good Toughness	-Oil/Solvent Resistant	-Added Lubricant "L"	-All
-Fast Cyling	-High Heat Resistance	-Additional UV "U"	-Translucent/Opaque
-High Strength	-Excellent Chemical Resistance	-Additonal Heat Stabilizers "HS"	
-Gasoline Resistant		-Nucleated "N"	
-35% Glass Fiber Reinforced			

General

Typical Applications	-Appliance, transportation, pumps, impellers, housings, gears
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	1.40	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.6	%	ISO 294
Molding Shrinkage - x- Flow (3.2mm)	1.0 to 1.4	%	ISO 294
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	210	MPa	ISO 527
Tensile Strain	>2	%	ISO 527
Flexural Modulus	9800	MPa	ISO 178
Notched Izod Impact	14	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa)	252	°C	ISO 75
Melting Temperature	262	°C	ISO 3146
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	70 to 90	°C
Drying Time - DESSICANT	3 to 6	Hours
Suggested Max Moisture	0.2	%
Processing Melt Temperature	285 to 305	°C
Mold Temperature	80 to 100	°C