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TriLON™ 61BG25FR0 (U,L,HS,N) ISO

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Polyamide Nylon 6

General Information

Product Description

General purpose, 25% Glass Fiber Reinforced Nylon 6 flame retardant.

FEATURES		ADDITIONAL FORMULAS	COLOR
-Good Strength	-Oil/Solvent Resistant	-Added Lubricant "L"	-All
-Fast Cyling	-Flame Retardant	-Additional UV "U"	-Translucent/Opaque
-Excellent Chemical Resistance		-Additonal Heat Stabilizers "HS"	
-Gasoline Resistant		-Nucleated "N"	
-25% 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	1.38	g/cm³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.8	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, brk	118	MPa	ISO 527
Tensile Strain	>3	%	ISO 527
Flexural Modulus	7000	MPa	ISO 178
Charpy Notched 23°C	7	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	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.