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TriLON™ 661BG35FR0 (U,L,HS,N)

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Polyamide Nylon 66

General Information

Product Description

General purpose, 35% Glass Fiber Reinforced Nylon 66 Flame Retardant

FEATURES

-Great Strength
-Oil/Solvent Resistant
-Fast Cyling
-High Rigidity
-Excellent Chemical Resistance
-Gasoline Resistant
-35% Glass Fiber Reinforced
- Flame Retardant

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 Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, brk	170	MPa	ISO 527
Tensile Strain,brk	>2	%	ISO 527
Flexural Modulus	10000	MPa	ISO 178
Charpy Notched Impact	10.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	255	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	250	°C	ISO 75
Melting Point	260	°C	TVT Internal
Flammability	**Nominal Value**	**Unit**	**Test Method**
1.5 mm	V0		UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	170 to 220	°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.