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TriLON™ 61CG43 (U,L,HS,N)

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Polyamide Nylon 6

General Information

Product Description

43% 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"	
-43% 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	1.48	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	ASTM D955
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, brk	23,000	psi	ASTM D638
Tensile Strain	>3	%	ASTM D638
Flexural Modulus	1,200,000	psi	ASTM D790
Notched Izod Impact	1.8	ft-lbs/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	400	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	385	°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

[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.