



TRIVALENCE

TriLON™ 61CG30E (U,L,HS,N)

Polyamide Nylon 6

General Information

Product Description

30% Glass Fiber Reinforced Nylon 6 offered with various additives.

FEATURES

-Good Strength -Oil/Solvent Resistant
 -Economy Grade -High Rigidity
 -Excellent Chemical Resistance
 -Gasoline Resistant
 -30% Glass Fiber Reinforced

ADDITIONAL FORMULAS

-Added Lubricant "L"
 -Additional UV "U"
 -Additional 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 Properties¹

Physical	Nominal Value Unit	Test Method
Density	1.36 g/cm ³	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	18,500 psi	ASTM D638
Tensile Strain	>2 %	ASTM D638
Flexural Modulus	1000000 psi	ASTM D790
Notched Izod Impact	1.2 ft-lbs/in	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	380 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	365 °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