



TRIVALENCE

TriLON™ 61CG35 (U,L,HS,N)

Polyamide Nylon 6

General Information

Product Description

35% Glass Fiber Reinforced Nylon 6 offered with various additives.

FEATURES

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

ADDITIONAL FORMULAS

-Added Lubricant "L"
 -Additional UV "U"
 -Additonal Heat Stabilizers "HS"
 -Nucleated "N"

COLOR

-Black Only

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	1.40	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	20,000	psi	ASTM D638
Tensile Strain	>2	%	ASTM D638
Flexural Modulus	1100000	psi	ASTM D790
Notched Izod Impact	1.4	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)	380	°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