



TRIVALENCE

TriLON™ 61BG30FR0 (U,L,HS,N) ISO

Polyamide Nylon 6

General Information

Product Description

General purpose, 30% Glass Fiber Reinforced Nylon 6 flame retardant.

FEATURES

-Good Strength -Oil/Solvent Resistant
 -Fast Cyling -Flame Retardant
 -Excellent Chemical Resistance
 -Gasoline Resistant
 -30% Glass Fiber Reinforced

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 Properties¹

	Nominal Value Unit	Test Method
Physical		
Density	1.42 g/cm ³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical		
Tensile Strength, brk	130 MPa	ISO 527
Tensile Strain	>3 %	ISO 527
Flexural Modulus	10000 MPa	ISO 178
Charpy Notched 23°C	8 kj/m ²	ISO 179
Thermal		
Deflection Temperature Under Load (1.8 MPa)	205 °C	ISO 75
Melting Point	220 °C	TVT Internal
Flammability		
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