



TRIVALENCE

Headquarters
3001 Maxx Rd
Evansville, IN 47711
800.209.2517

TriLON™ 61BG20 (U,L,HS,N) ISO

trivalencetechnologies.com

Polyamide Nylon 6

General Information

Product Description

General purpose, 20% Glass Fiber Reinforced Nylon 6 offered with various additives

FEATURES

-Good Strength -Oil/Solvent Resistant
-Fast Cyling -High Rigidity
-Excellent Chemical Resistance
-Gasoline Resistant
-20% 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

	Nominal Value Unit	Test Method
Physical		
Density	1.26 g/cm ³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.8 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical		
Tensile Strength, brk	115 MPa	ISO 527
Tensile Strain	>3 %	ISO 527
Tensile Modulus	6400 MPa	ISO 527
Charpy Notched 23°C	5 kJ/m ²	ISO 179
Thermal		
Deflection Temperature Under Load (1.8 MPa)	212 °C	ISO 75
Melting Point	220 °C	TVT Internal
Flammability		
0.06 in	HB	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

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.