Headquarters
3001 Maxx Rd
Evansville, IN 47711
800.209.2517

TriLON™ 661BGB40 (U,L,HS,N) ISO

trivalencetechnologies.com

Polyamide Nylon 66

General Information

Product Description

40% Glass Beads Reinforced Nylon 66 offered with various additives.

FEATURES		ADDITIONAL FORMULAS	COLOR
-Low Warpage	-Oil/Solvent Resistant	-Added Lubricant "L"	-All
-Fast Cyling		-Additional UV "U"	-Translucent/Opaque
-Gasoline Resistant		-Additonal Heat Stabilizers "HS"	
-40% Glass Beads Reinforced		-Nucleated "N"	

General

Typical Applications	-Appliance, transportation, pumps, impellers, housings, gears
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	1.44	g/cm³	ISO 1183
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, brk	95	MPa	ISO 527
Tensile Strain,brk	>6	%	ISO 527
Flexural Modulus	5800	MPa	ISO 178
Notched Charpy Impact	3	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa)	120	°C	ISO 75
Melting Temperature	262	°C	ISO 3146
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	70 to 90	°C
Drying Time - DESSICANT	3 to 6	Hours
Suggested Max Moisture	0.2	%
Processing Melt Temperature	285 to 305	°C
Mold Temperature	80 to 100	°C

[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.