



TRIVALENCE

TriLON™ 661BGB40 (U,L,HS,N) ISO

Polyamide Nylon 66

General Information

Product Description

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

FEATURES

-Low Warpage -Oil/Solvent Resistant
 -Fast Cyling
 -Gasoline Resistant
 -40% Glass Beads Reinforced

ADDITIONAL FORMULAS

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

COLOR

-All
 -Translucent/Opaque

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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	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/m ²	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