



TRIVALENCE

TriLON™ 661BGM40 (U,L,HS,N) ISO

Polyamide Nylon 66

General Information

Product Description

25% Glass Fiber Reinforced, 15% Mineral Reinforced Nylon 66 offered with various additives.

FEATURES

- Good Toughness
- Fast Cyling
- Good Strength
- Gasoline Resistant
- 40% Glass/Mineral Reinforced
- Oil/Solvent Resistant
- High Heat Resistance
- Excellent Chemical Resistance

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	1.49 g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.7 %	ISO 294
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal

Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	160 MPa	ISO 527
Tensile Strain	>2 %	ISO 527
Flexural Modulus	9400 MPa	ISO 178
Notched Izod Impact	9 kJ/m ²	ISO 180

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	250 °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