



TRIVALENCE

TriLON™ 661B (U,L,HS,N)

Polyamide Nylon 66

General Information

Product Description

General purpose, Nylon 66 offered with various additives.

FEATURES

- Good Toughness -Oil/Solvent Resistant
- Fast Cyling -High Rigidity
- Excellent Chemical Resistance
- Gasoline Resistant

ADDITIONAL FORMULAS

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

COLOR

- All
- Translucent/Opaque

General

- | | |
|-----------------------------|---------------------------------------|
| Typical Applications | -Appliance, automotive, general |
| 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	1.14 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical		
Tensile Strength, yld	9,500 psi	ASTM D638
Tensile Strain	>20 %	ASTM D638
Flexural Modulus	420000 psi	ASTM D790
Notched Izod Impact	0.9 ft-lbs/in	ASTM D256
Thermal		
Deflection Temperature Under Load (0.45 MPa)	370 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	155 °F	ASTM D648
Melting Point	504 °F	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 |