



TRIVALENCE

TriLON™ 662B (U,L,HS,N)

Polyamide Nylon 66

General Information

Product Description

General purpose, Nylon 66 Impact Modified

FEATURES

-Good Impact -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 | 1.10 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.2mm) | 1.6 to 2.0 | % | TVT Internal |
| Outdoor Suitability (QUV) ("U" Grades) | Pass | | TVT Internal |
| Mechanical | | | |
| Tensile Strength, yld | 9,400 | psi | ASTM D638 |
| Tensile Strain | >20 | % | ASTM D638 |
| Flexural Modulus | 305,000 | psi | ASTM D790 |
| Notched Izod Impact | 2.5 | ft-lbs/in | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load (0.45 MPa) | 230 | °C | ASTM D648 |
| Deflection Temperature Under Load (1.8 MPa) | 75 | °C | ASTM D648 |
| Melting Point | 262 | °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