



**TRIVALENCE**

# TriLON™ 663B (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 Properties<sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	1.09	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2mm)	1.2 to 1.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
<b>Mechanical</b>			
Tensile Strength, yld	7,500	psi	ASTM D638
Tensile Strain	>100	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Notched Izod Impact	12.0	ft-lbs/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (0.45 MPa)	300	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	165	°F	ASTM D648
Melting Point	504	°F	TVT Internal
<b>Flammability</b>			
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