



TRIVALENCE

# TriLON 663 (U,L,HS,N)

## Polyamide Nylon 66

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### General Information

Product Description		General Information	
General purpose, Nylon 66 Impact Modified			
<b>FEATURES</b>		<b>ADDITIONAL FORMULAS</b>	<b>COLOR</b>
-Great Impact	-Oil/Solvent Resistant	-Added Lubricant "L"	-All
-Fast Cyling	-High Rigidity	-Additional UV "U"	-Translucent/Opaque
-Excellent Chemical Resistance		-Additional Heat Stabilizers "HS"	
-Gasoline Resistant		-Nucleated "N"	

General	
<b>Typical Applications</b>	-Appliance, automotive, general
<b>Processing Method</b>	-Injection
<b>Form(s)</b>	-Pellets
<b>Compliance</b>	-RoHS Compliant - TVT
<b>Availability</b>	-North America, Europe, Latin America

### ASTM / ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
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
Mechanical	Nominal Value	Unit	Test Method
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
Thermal	Nominal Value	Unit	Test Method
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
Flammability	Nominal Value	Unit	Test Method
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

<sup>1</sup> Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.