



TRIVALENCE

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TriLON™ 661 (U,L,HS,N) ISO

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Polyamide Nylon 66

General Information

Product Description

General purpose, unreinforced Nylon 66 offered with various additives

FEATURES

- Heat Aging Resistar
- Fast Cyling
- Excellent Chemical Resistance
- Gasoline Resistant

ADDITIONAL FORMULAS

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

COLOR

- All
- Translucent/Opaque

General

Typical Applications	-Appliance, automotive, general, pumps, impellers, housings
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	1.14	g/cm ³	ISO 1183A
Molding Shrinkage - Flow (3.2mm)	1.2 to 1.8	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, brk	55	MPa	ISO 527
Tensile Strain	>20	%	ISO 527
Flexural Modulus	3000	MPa	ISO 178
Charpy Notched 23°C	4.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	82	°C	ISO 75
Melting Point	262	°C	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

¹ 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.