



TRIVALENCE

TriLON™ 64 (U,L,HS,N)

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Polyamide Nylon 6

General Information

Product Description

General purpose impact modified, Nylon 6 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"
-Additional 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	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	1.1 to 1.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical			
Tensile Strength, yld	7,900	psi	ASTM D638
Tensile Strain	>50	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Notched Izod Impact	>12	ft-lbs/in	ASTM D256
Thermal			
Deflection Temperature Under Load (0.45 MPa)	300	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	125	°F	ASTM D648
Melting Point	425	°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 470 to 545 °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.