



TRIVALENCE

TriLON™ 61AFD (U,L,HS,N)

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Polyamide Nylon 6

General Information

Product Description

FDA Grade, Nylon 6 offered with various additives

FEATURES

-FDA Grade -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

Physical	Nominal Value Unit	Test Method
Density	1.13 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	11000 psi	ASTM D638
Tensile Strain	>24 %	ASTM D638
Flexural Modulus	400000 psi	ASTM D790
Notched Izod Impact	0.8 ft-lbs/in	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	330 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	140 °F	ASTM D648
Melting Point	425 °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 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.