



TRIVALENCE

TriLON™ 61AFD (U,L,HS,N)

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"
 -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 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