



TRIVALENCE

TriLON™ 61ALV (U,L,HS,N)

Low Viscosity Polyamide Nylon 6

General Information

Product Description

Low viscosity Nylon 6 offered with various additives.

FEATURES

-Good Toughness -Oil/Solvent Resistant
 -Fast Cyling -High Rigidity
 -Excellent Chemical Resistance
 -Good Surface Finish

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

	Nominal Value	Unit	Test Method
Physical			
Density	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.8 to 1.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical			
Tensile Strength, yld	11000	psi	ASTM D638
Tensile Strain	>4	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Notched Izod Impact	0.9	ft-lbs/in	ASTM D256
Thermal			
Deflection Temperature Under Load (0.45 MPa)	370	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	140	°F	ASTM D648
Melting Point	425	°F	TVT Internal
Flammability			
0.06 in	V2		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