



TRIVALENCE

Headquarters
3001 Maxx Rd
Evansville, IN 47711
800.209.2517

TriLON™ 61ALV (U,L,HS,N)

trivalencetechnologies.com

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"
-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	1.13 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

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.