



TRIVALENCE

TriLON™ 663AFR0 (U,L,HS,N)

Polyamide Nylon 66

General Information

Product Description

Nylon 66 High Impact Unreinforced Flame Retardant

FEATURES

- High Impact
- Oil/Solvent Resistant
- Fast Cyling
- Excellent Chemical Resistance
- Gasoline Resistant
- Bromine and Chlorine Free

ADDITIONAL FORMULAS

- Added Lubricant "L"
- Additional UV "U"
- Additonal Heat Stabilizers "HS"
- Nucleated "N"

COLOR

- All
- Translucent/Opaque

General

Typical Applications	-Appliance, automotive, general, pumps, impellers, housings
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	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	1.8-2.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	6500	psi	ASTM D638
Tensile Strain	>10	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Notched Izod Impact	6	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	375	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	160	°F	ASTM D648
Melting Point	504	°F	TVT Internal
Flammability	Nominal Value	Unit	Test Method
0.06 in	V0		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	530 to 570 °F
Mold Temperature	140 to 200 °F