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TRIVALENCE

TriLON™ 663 (U,L,HS,N)

Polyamide Nylon 66

General Information

Product Description

General purpose, Nylon 66 Impact Modified

FEATURES		ADDITIONAL FORMULAS	COLOR
-Great Impact	-Oil/Solvent Resistant	-Added Lubricant "L"	-All
-Fast Cyling	-High Rigidity	-Additional UV "U"	-Translucent/Opaque
-Excellent Chemical Resistance		-Additonal Heat Stabilizers "HS"	
-Gasoline Resistant		-Nucleated "N"	

General

Typical Applications	-Appliance, automotive, general
Processing Method	-Injection
Form(s)	-Pellets
Compliance	-RoHS Compliant - TVT
Availability	-North America, Europe, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	1.2 to 1.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	7,500	psi	ASTM D638
Tensile Strain	>100	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Notched Izod Impact	12.0	ft-lbs/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	300	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	165	°F	ASTM D648
Melting Point	504	°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	540 to 570	°F
Mold Temperature	140 to 200	°F