



TRIVALENCE

TriLON™ 663BE

Polyamide Nylon 66

General Information

Product Description

General purpose, Nylon 66 Impact Modified

FEATURES

-Good Impact -Oil/Solvent Resistant
 -Economy Grade -High Rigidity
 -Excellent Chemical Resistance
 -Gasoline Resistant

ADDITIONAL FORMULAS

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

COLOR

-Black Only

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	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	1.2 to 1.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical			
Tensile Strength, yld	7,500	psi	ASTM D638
Tensile Strain	>100	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Notched Izod Impact	14.0	ft-lbs/in	ASTM D256
Thermal			
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			
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