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TriLON™ 663BE

Polyamide Nylon 66

General Information

Product Description

General purpose, Nylon 66 Impact Modified

FEATURES		ADDITIONAL FORMULAS	COLOR
-Good Impact	-Oil/Solvent Resistant	-Added Lubricant "L"	-Black Only
-Economy Grade	-High Rigidity	-Additional UV "U"	
-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	14.0	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

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.