TRIVALENCE

TriVOL 33 (U,R,N)

Polypropylene Copolymer

General Information

Product Description

General purpose, impact modified, copolymer PP.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Good Impact Copolymer	-Added Release "R"	-All
-Cold Temperature Ductility	-Additional UV "U"	-Opaque
-High Flow	-Nucleated "N"	
-Impact Modified		

General

Typical Applications	-Automotive, sporting goods, packaging, consumer goods.
Processing Method	-Injection
Form(s)	-Pellets
Availability	-North America, Europe, Asia

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	0.91	g/cm³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	20	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.2 to 1.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	3200	psi	ASTM D638
Tensile Elongation, yld	>10	%	ASTM D638
Flexural Modulus	155000	psi	ASTM D790
Notched Izod Impact	3.5	ft-lbs/in	ASTM D256
Hardness, Shore D	83	D-Scale	ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	185	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance	Nominal Value	Unit
Drying Temperature	150 to 175	°F
Drying Time	2 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	410 to 470	°F
Mold Temperature	80 to 140	°F