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TriVOL 21 (U,R,N)

Polypropylene Homopolymer

General Information

Product Description

General purpose, Homopolymer PP.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Good Strength	-Added Release "R"	-All
-Good Stiffness	-Additional UV "U"	-Opaque
-High Flow	-Nucleated "N"	

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)	1.5 to 1.8	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	5000	psi	ASTM D638
Tensile Elongation, yld	>5	%	ASTM D638
Flexural Modulus	230,000	psi	ASTM D790
Notched Izod Impact	0.7	ft-lbs/in	ASTM D256
Hardness, Shore D	65	D-Scale	ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	219	°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

[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.