Headquarters
3001 Maxx Road
Evansville, IN 47711
800.209.2517

trivalencetechnologies.com

TriVOL 21G20(U,R)

Polypropylene

General Information

Product Description

Polypropylene, homopolymer, glass filled.

FEATURES		ADDITIONAL FORMULAS	COLOR
-High Flow	-RoHS/REACH Compliant	-Added Release "R"	-All
-Homopolymer		-Added UV "U"	
-20% Glass Reinforced			
-Good Structural Strength			

General

Typical Applications	-Appliance, electrical, lawn & garden, automotive, packaging, industrial
Processing Method	-Injection/Extrusion
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	18	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	9,800	psi	ASTM D638
Flexural Modulus	580,000	psi	ASTM D790
Notched Izod Impact	0.9	ft-lbs/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa)	280	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance	**Nominal Value**	**Unit**	
Drying Temperature	140-180	°F	
Drying Time	1 to 3	Hours	
Suggested Max Moisture	0.05	%	
Processing Melt Temperature	420 to 480	°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.