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TriVALOY 22G20 (U,R)

Polycarbonate + ABS

General Information

Product Description

Glass fiber reinforced polycarbonate/ABS.

FEATURES		ADDITIONAL FORMULAS	COLOR
-20% Glass Fiber Reinforced	-Chemical Resistance	-Added Release "R"	-All
-Good Strength	-High Impact	-Added UV "U"	
-Good Creep Resistance			
-Medium Flow			

General

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

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	16	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	TVT Internal
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	12,500	psi	ASTM D638
Tensile Elongation	3	%	ASTM D638
Flexural Modulus	820000	psi	ASTM D790
Notched Izod Impact	1.8	ft-lbs/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	268	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	244	°F	ASTM D648
Vicat Softening Temperature	270	°F	ASTM D1525
CLTE - Flow	2.7E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	190 to 220	°F	
Drying Time	3 to 6	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	460 to 520	°F	
Mold Temperature	150 to 190	°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.