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TriVEX™ 12G40FR0

Polycarbonate

General Information

Product Description

Flame retardant, 40% glass reinforced product

FEATURES	ADDITIONAL FORMULAS	COLOR
-Flame Retardant	-Added Release "R"	-All
-Great Impact	-Added UV "U"	
-UV Stabilized	-Additional Melt Flows	
-Medium Flow		

General

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

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm³	ASTM D792
Melt Flow Rate (300°C/1.2kg)	10	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.1 to 0.3	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal QUV
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	18,000	psi	ASTM D638
Tensile Elongation	>2	%	ASTM D638
Flexural Modulus	960,000	psi	ASTM D790
Notched Izod Impact	2	ft-lbs/in	ASTM D256
Rockwell Hardness	124	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	307	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	298	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	V0		UL94 TVT Internal
0.12 in	V0/5VA		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	230 to 250	°F	
Drying Time	4 to 6	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	580 to 615	°F	
Mold Temperature	175 to 230	°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.