

TriVEX™ 16G10 (U,R)

Polycarbonate + Siloxane

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General Information

Product Description

Glass reinforced polycarbonate modified with siloxane for superior cold temperature impact resistance.

-PFAS Free

FEATURES

-Good Impact/Ductility (Ambient and

Extreme Cold)

-10% Glass Reinforced

-Improved Chemical Resistance -RoHS/REACH Compliant

ADDITIONAL FORMULAS

COLOR -AII

-Added Release "R"

-Additional UV "U" - Great UV Perfomance

General

Typical Applications

-Solar, military and defense gear, heathcare, EV battery, sporting goods, safety and rescue, transportation, lawn and garden, industrial packaging, electrical components, oil/gas, appliance, aerospace, 3d printing,

recreational vehicles, building materials, railway, wire and cable.

Processing Method

-Injection/Extrusion -Pellets

Form(s) Availability

-North America, Europe, Latin America

ASTM / ISO Properties ¹	
Nominal Value Unit	Test Method
1.25 g/cm³	ASTM D792
7 g/10min	ASTM D1238
0.2 to 0.7 %	TVT Internal
Pass	TVT Internal
Nominal Value Unit	Test Method
7000 psi	ASTM D638
>6 %	ASTM D638
505,000 psi	ASTM D790
5 ft-lbs/in	ASTM D256
2.5 ft-lbs/in	ASTM D257
121 R-Scale	ASTM D785
Nominal Value Unit	Test Method
275 °F	ASTM D648
295 °F	ASTM D1525
2.7E-5 in/in/°F	ASTM E831
Nominal Value Unit	Test Method
V1	UL94 - Pending
230 to 250 °F	
3 to 6 Hours	
0.02 %	
580 to 620 °F	
	Nominal Value Unit 1.25 g/cm³ 7 g/10min 0.2 to 0.7 % Pass

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