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## TriVEX™ 16FD

## **General Information**

## **Product Description**

Polycarbonate modified with siloxane for superior cold temperature impact resistance. FDA Compliant

**FEATURES** 

-Offers Paint Elimination

COLOR

-All

-Good Impact/Ductility (Ambient and Extreme Cold)

-PFAS Free

-Added Release "R" -Additional UV "U" - Great UV Perfomance

**ADDITIONAL FORMULAS** 

-Enhanced Flow and Release

-Improved Chemical Resistance

-Excellent Aesthetics

-FDA Compliant (Title 21)

-RoHS/REACH Compliant

**Typical Applications** 

General

-Heathcare, food packaging and molds, displays, industrial appliance parts

**Processing Method** -Injection/Extrusion

-Pellets Form(s)

**Availability** -North America, Europe, Latin America

ASTM / ISO Properties <sup>1</sup>		
Physical	Nominal Value Unit	Test Method
Density	1.18 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (300°C/1.2kg)	8 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.8 %	TVT Internal
Outdoor Suitability (QUV) (U Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	8400 psi	ASTM D638
Tensile Elongation	>115 %	ASTM D638
Flexural Modulus	315,000 psi	ASTM D790
Notched Izod Impact (R.T)	16 ft-lbs/in	ASTM D256
Notched Izod Impact (-30C)	12 ft-lbs/in	ASTM D257
Rockwell Hardness	116 R-Scale	ASTM D785
hermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	258 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	245 °F	ASTM D648
Vicat Softening Temperature	282 °F	ASTM D1525
CLTE - Flow	3.5E-5 in/in/°F	ASTM E831
Flammability	Nominal Value Unit	Test Method
0.12 in	V1	UL94 - Pending
Recommended Processing Guidance		
Drying Temperature	230 to 250 °E	

**Drying Temperature** 230 to 250 °F **Drying Time** 3 to 6 Hours Suggested Max Moisture 0.02 % **Processing Melt Temperature** 500 to 590 °F Mold Temperature 145 to 195 °F

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.