



TriVEX 14FR5 (U,R) (20M)

Polycarbonate

General

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Product Description

Non halogenated flame retardant polycarbonate modified with siloxane for superior cold temperature impact resistance.

-Good Impact/Ductility (Ambient and Extreme Cold)

ADDITIONAL FORMULAS -Added Release "R"

COLOR

-Additional UV "U" - Great UV Perfomance

-AII

-Enhanced Flow and Release

-Flame Retardant

-RoHS/REACH Compliant

Typical Applications

-Appliance, electrical, lawn & garden, automotive, military, rescue, sporting goods

Processing Method Form(s)

-Pellets

Availability -North America, Europe, Latin America

| ASTM / ISO Properties ¹ | | | |
|--|------------------------|---------------------|--|
| Physical | Nominal Value Unit | Test Method | |
| Density | 1.19 g/cm ³ | ASTM D792 | |
| Melt Flow Rate (300°C/1.2kg) | 20 g/10min | ASTM D1238 | |
| Molding Shrinkage - Flow (3.2mm) | 0.5 to 0.8 % | TVT Internal | |
| Outdoor Suitability (QUV) (U Grades) | Pass | TVT Internal | |
| lechanical | Nominal Value Unit | Test Method | |
| Tensile Strength, brk | 9000 psi | ASTM D638 | |
| Tensile Elongation | 120 % | ASTM D638 | |
| Flexural Modulus | 380000 psi | ASTM D790 | |
| Notched Izod Impact (R.T) | 16 ft-lbs/in | ASTM D256 | |
| Notched Izod Impact (-22C) | 10 ft-lbs/in | ASTM D257 | |
| Rockwell Hardness | 118 R-Scale | ASTM D785 | |
| hermal | Nominal Value Unit | Test Method | |
| Deflection Temperature Under Load (0.45 MPa) | 272 °F | ASTM D648 | |
| Deflection Temperature Under Load (1.8 MPa) | 252 °F | ASTM D648 | |
| Vicat Softening Temperature | 284 °F | ASTM D1525 | |
| CLTE - Flow | 3.4E-5 in/in/°F | ASTM E831 | |
| lammability | Nominal Value Unit | Test Method | |
| 0.06 in | V0 | UL94 - TVT Internal | |
| 0.12 in | 5V | UL94 - TVT Internal | |
| lecommended Processing Guidance | | | |
| Drying Temperature | 230 to 250 °F | | |

Drying Time 3 to 6 Hours Suggested Max Moisture 0.02 % **Processing Melt Temperature** 550 to 600 °F Mold Temperature 140 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.