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# TriVEX™ 21G20FR0 (6M)

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**Polycarbonate**

## General Information

### Product Description

Flame resistant, 20% glass reinforced product is available in melt flow ranges of 6 - 20.

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

### General

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

## ASTM / ISO Properties[1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 1.35 | g/cm³ | ASTM D792 |
| Melt Flow Rate (300°C/1.2kg) | 6 | g/10min | ASTM D1238 |
| Molding Shrinkage - Flow (3.2mm) | 0.2 to 0.4 | % | TVT Internal |
| Outdoor Suitability (QUV) ("U" grades) | Pass | | TVT Internal QUV |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength, yld | 13000 | psi | ASTM D638 |
| Tensile Elongation | 2 | % | ASTM D638 |
| Flexural Modulus | 780000 | psi | ASTM D790 |
| Notched Izod Impact | 1.6 | ft-lbs/in | ASTM D256 |
| Rockwell Hardness | 122 | R-Scale | ASTM D785 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load (0.45 MPa) | 300 | °F | ASTM D648 |
| Deflection Temperature Under Load (1.8 MPa) | 294 | °F | ASTM D648 |
| **Flammability** | **Nominal Value** | **Unit** | **Test Method** |
| 0.06 in | V0 | | UL94 |
| 0.12 in | V0, 5VA | | UL94 |
| **Recommended Processing Guidance** | | | |
| Drying Temperature | 230 to 250 | °F | |
| Drying Time | 3 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.