



TRIVALENCE

TriEXO 21G40PPS (U,R)

Polyphenylene Sulfide

Product Description	General Information
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High heat resin, PPS. Glass Fiber Reinforced

FEATURES

- High Strength
- High Temperature
- Chemical resistant
- 40% Glass Fiber Reinforced
- Medium Flow

ADDITIONAL FORMULAS

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

COLOR

-All

General

- Typical Applications** -Appliance, electrical, lawn & garden, automotive, medical, motor housings, oil/gas, military
- Processing Method** -Injection/Extrusion
- Form(s)** -Pellets
- Availability** -North America, Latin America

ASTM / ISO Properties ¹		
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Physical	Nominal Value Unit	Test Method
Density	1.56 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.5 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	24,500 psi	ASTM D638
Tensile Elongation	>1.5 %	ASTM D638
Flexural Modulus	1,700,000 psi	ASTM D790
Un-Notched Izod Impact	12 ft-lbs/in	ASTM D256
Rockwell Hardness	115 R-Scale	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	500 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	470 °F	ASTM D648

Flammability	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

Recommended Processing Guidance	
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|-----------------------------|---------------|
| Drying Temperature | 220 to 230 °F |
| Drying Time | 4 to 6 Hours |
| Suggested Max Moisture | 0.02 % |
| Processing Melt Temperature | 600 to 630 °F |
| Mold Temperature | 150 to 300 °F |