



**TRIVALENCE**

# TriVAN™ 21G25 (U, R, UR)

Acrylonitrile Butadiene Styrene Glass Fiber Reinforced

## General Information

### Product Description

Acrylonitrile Butadiene Styrene 25% Glass Fiber Reinforced

#### FEATURES

- Good Impact
- Low Flow
- Good Stiffness

#### ADDITIONAL FORMULAS

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

#### COLOR

- All
- Opaque

### General

<b>Typical Applications</b>	-Appliance, construction.
<b>Processing Method</b>	-Injection/Extrusion
<b>Form(s)</b>	-Pellets
<b>Availability</b>	-North America, Europe, Latin America

## ASTM / ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (220°C/10.0kg)	4	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.1 to 0.3	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	12,500	psi	ASTM D638
Tensile Elongation	>1.5	%	ASTM D638
Flexural Modulus	1000000	psi	ASTM D790
Notched Izod Impact	1.2	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	230	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	220	°F	ASTM D648
Vicat Softening Temperature	225	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

### Recommended Processing Guidance

Drying Temperature	175 to 200 °F
Drying Time	3 to 5 Hours
Suggested Max Moisture	0.04 %
Processing Melt Temperature	480 to 530 °F
Mold Temperature	110 to 175 °F