



**TRIVALENCE**

# TriVAN™ 12G15 (U, R, UR)

**Acrylonitrile Butadiene Styrene Glass Fiber Reinforced**

General Information
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Product Description
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Acrylonitrile Butadiene Styrene 15% Glass Fiber reinforced, Impact Modified

**FEATURES**

- Good Impact
- Medium Flow
- Good Stiffness

**ADDITIONAL FORMULAS**

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

**COLOR**

- All
- Opaque

General
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**Typical Applications**

-Appliance, construction

**Processing Method**

-Injection/Extrusion

**Form(s)**

-Pellets

**Availability**

-North America, Europe, Latin America

ASTM / ISO Properties <sup>1</sup>
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Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/3.8kg)	2	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	10200	psi	ASTM D638
Tensile Elongation	>2.5	%	ASTM D638
Flexural Modulus	660000	psi	ASTM D790
Notched Izod Impact	2	ft-lbs/in	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	218	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	212	°F	ASTM D648
Vicat Softening Temperature	218	°F	ASTM D1525

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

Recommended Processing Guidance
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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