



TRIVALENCE

TriVAN™ 22LG (U, R, UR)

Acrylonitrile Butadiene Styrene

General Information

Product Description

Medium flow, low gloss, high impact grade ABS used for extrusion and blow molding applications

FEATURES

- High Impact
- Medium Flow
- Low Gloss

ADDITIONAL FORMULAS

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

COLOR

- All
- Opaque

General

- | | |
|-----------------------------|---------------------------------------|
| Typical Applications | -Appliance, construction, sheet |
| Processing Method | -Injection/Extrusion/Blow Molding |
| Form(s) | -Pellets |
| Availability | -North America, Europe, Latin America |

ASTM / ISO Properties¹

Physical	Nominal Value Unit	Test Method
Density	1.04 g/cm ³	ASTM D792
Melt Flow Rate (230°C/3.8kg)	4 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	5800 psi	ASTM D638
Tensile Elongation	>35 %	ASTM D638
Flexural Modulus	335000 psi	ASTM D790
Notched Izod Impact	7 ft-lbs/in	ASTM D256
Rockwell Hardness	112 R-Scale	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	199 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	175 °F	ASTM D648
Vicat Softening Temperature	209 °F	ASTM D1525
CLTE - Flow	4.5E-5 in/in/°F	ASTM E831
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 |