



TRIVALENCE

TriVAN™ 32E (U, R, UR) ISO

Acrylonitrile Butadiene Styrene

General Information

Product Description

High flow ABS, utility grade

FEATURES

- Good Impact
- High Flow
- Utility Grade

ADDITIONAL FORMULAS

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

COLOR

- All
- Opaque

General

Typical Applications

-Appliance, electrical, lawn & garden, automotive, medical, lighting, rails

Processing Method

-Injection/Extrusion

Form(s)

-Pellets

Availability

-North America, Europe, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Flow Rate (230°C/3.8 kg)	8	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7	%	TVT Internal
Outdoor Suitability (QUV) (23PU Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	40	MPa	ISO 527
Tensile Elongation	>20	%	ISO 527
Flexural Modulus	2240	MPa	ISO 178
Charpy notched Impact	20.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	95	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	89	°C	ISO 75
Vicat Softening Temperature	90	°C	ISO 306
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