



**TRIVALENCE**

# TriVAN™ 21SU (R) ASA - ISO

Acrylonitrile Styrene Acrylate

## General Information

### Product Description

Medium flow ASA, general purpose

#### FEATURES

- Great Weatherability
- Medium Flow

#### ADDITIONAL FORMULAS

- Added Release "R"

#### COLOR

- All
- Opaque

### General

- |                             |   |
|-----------------------------|---|
| <b>Typical Applications</b> | -Lawn & garden, transportation, construction, outdoor |
| <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	1.06 g/cm <sup>3</sup>	ISO 1183
Melt Flow Rate (220°C/10.0kg)	14 g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7 %	ISO 294
Outdoor Suitability (QUV)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	45 MPa	ISO 527
Tensile Elongation	>4 %	ISO 527
Flexural Modulus	2200 MPa	ISO 178
Charpy Impact (73F)	14 kJ/m <sup>2</sup>	ISO 179A
Rockwell Hardness	100 R-Scale	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	105 °C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	101 °C	ISO 75
Vicat Softening Temperature	108 °C	ISO 75
CLTE - Flow	8.5E-5 cm/cm/°C	ISO 11359
Flammability	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

### Recommended Processing Guidance

- |                             |               |
|-----------------------------|---------------|
| Drying Temperature          | 70 to 90 °C   |
| Drying Time                 | 3 to 5 Hours  |
| Suggested Max Moisture      | 0.02 %        |
| Processing Melt Temperature | 220 to 270 °C |
| Mold Temperature            | 40 to 80 °C   |