



**TRIVALENCE**

# TriVAN™ 21SU (R)

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

### Typical Applications

-Lawn & garden, transportation, construction, outdoor

### Processing Method

-Injection/Extrusion

### Form(s)

-Pellets

### Availability

-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