



TRIVALENCE

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TriVAN™ 12SU (R) ASA - ISO

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Acrylonitrile Styrene Acrylate

General Information

Product Description

High flow ASA, general purpose

FEATURES

- Great Weatherability
- High 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 Properties¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.06	g/cm ³	ISO 1183
Melt Flow Rate (220°C/10.0kg)	20	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7	%	ISO 294
Outdoor Suitability (QUV)	Pass		TVT Internal
Mechanical			
Tensile Strength, yld	45	MPa	ISO 527
Tensile Elongation	>4	%	ISO 527
Flexural Modulus	2200	MPa	ISO 178
Charpy Impact (73F)	14	kJ/m ²	ISO 179A
Rockwell Hardness	100	R-Scale	ASTM D785
Thermal			
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			
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 |

¹ Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.