



TRIVALENCE

TriVAN™ 02SU_

Acrylonitrile Styrene Acrylate - ASA

General Information

Product Description

Low flow, good strength grade ASA

FEATURES

- Good Strength
- Extrusion Grade
- Weatherable

ADDITIONAL FORMULAS

- Added Release "R"

COLOR

- All
- Opaque

General

- | | |
|-----------------------------|--|
| Typical Applications | -Appliance, construction, transportation |
| Processing Method | -Injection/Extrusion/Profile/Sheet |
| Form(s) | -Pellets |
| Availability | -North America, Europe, Latin America |

ASTM / ISO Properties¹

Physical	Nominal Value Unit	Test Method
Density	1.08 g/cm ³	ASTM D792
Melt Flow Rate (220°C/10.0kg)	2 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	6600 psi	ASTM D638
Tensile Elongation	>12 %	ASTM D638
Flexural Modulus	350000 psi	ASTM D790
Notched Izod Impact	2 ft-lbs/in	ASTM D256
Rockwell Hardness	88 R-Scale	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	207 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	194 °F	ASTM D648
Vicat Softening Temperature	214 °F	ASTM D1525
CLTE - Flow	4.7E-5 in/in/°F	ASTM E831
Flammability	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

Recommended Processing Guidance

- | | |
|-----------------------------|---------------|
| Drying Temperature | 160 to 180 °F |
| Drying Time | 3 to 5 Hours |
| Suggested Max Moisture | 0.02 % |
| Processing Melt Temperature | 480 to 530 °F |
| Mold Temperature | 110 to 175 °F |