



TRIVALENCE

TriVAN™ 22S (UR) 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

Typical Applications	-Lawn & garden, transportation, construction, outdoor
Processing Method	-Injection/Extrusion
Form(s)	-Pellets
Availability	-North America, Europe, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Flow Rate (220°C/10.0kg)	12	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	>6	%	ISO 527
Flexural Modulus	2200	MPa	ISO 178
Charpy Impact (73F)	15	kJ/m ²	ISO 179A
Rockwell Hardness	100	R-Scale	ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	101	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	97	°C	ISO 75
Vicat Softening Temperature	105	°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