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TriVAN™ 21SU (R)

Acrylonitrile Styrene Acrylate

General Information

Product Description

Medium flow ASA, general purpose

FEATURES	ADDITIONAL FORMULAS	COLOR
-Great Weatherability	-Added Release "R"	-All
-Medium Flow		-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[1]

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	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/m2	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

[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.