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TriVALOY 12SU

Polycarbonate + ASA

General Information

Product Description

Polycarbonate + ASA with great weatherability.

FEATURES		ADDITIONAL FORMULAS	COLOR
-Excellent UV Performance	-Weatherable	-Added Release "R"	-All
-High Impact	-High Gloss		-Opaque/Translucent
-Chemical Resistant			
-ROHS/REACH Compliant			
-Low to Medium Flow			

General

Typical Applications	-Appliance, lawn & garden, automotive, electronics, enclosures.
Processing Method	-Injection/Extrusion
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	12	g/10min	ASTM D1238
Melt Flow Rate (220°C/10.0kg)	4	g/10min	ASTM D1239
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7	%	TVT Internal
Outdoor Suitability (QUV)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	8400	psi	ASTM D638
Tensile Elongation, brk	120	%	ASTM D638
Flexural Modulus	360000	psi	ASTM D790
Notched Izod Impact	8	ft-lbs/in	ASTM D256
Rockwell Hardness	112	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	240	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	205	°F	ASTM D648
Vicat Softening Temperature	235	°F	ASTM D1525
CLTE - Flow	4.0E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	190 to 200	°F	
Drying Time	3 to 4	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	480 to 520	°F	
Mold Temperature	130 to 160	°F	

[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.