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TriVALOY 12P (U, R)

Polycarbonate + ABS

General Information

Product Description

Polycarbonate + ABS with high impact and medium flow. Paintable and Plateable.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Paintable/Plateable	-Added Release "R"	-All
-High Impact	-Added UV "U"	-Opaque/Translucent
-Chemical Resistant		
-ROHS/REACH Compliant		
-Medium Flow		

General

Typical Applications	-Appliance, lawn & garden, automotive, electronics, medical devices, spools, housings
Processing Method	-Injection
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	10	g/10min	ASTM D1238
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	7800	psi	ASTM D638
Tensile Elongation, brk	120	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Notched Izod Impact	12	ft-lbs/in	ASTM D256
Rockwell Hardness	117	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	250	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	218	°F	ASTM D648
Vicat Softening Temperature	248	°F	ASTM D1525
CLTE - Flow	4.4E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	180 to 215	°F	
Drying Time	2 to 4	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	480 to 540	°F	
Mold Temperature	135 to 185	°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.