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TriVALOY 22SI2 - ISO

Polycarbonate + ABS

General Information

Product Description

Polycarbonate + ABS with Good impact and medium flow. Siloxane added

FEATURES	ADDITIONAL FORMULAS	COLOR
-Improved cycle time	-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	ISO 1183
Melt Flow Rate (260°C/5.0kg)	18	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7	%	TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	48	MPa	ISO 527
Tensile Elongation, brk	120	%	ISO 527
Flexural Modulus	2800	MPa	ISO 178
Gardner Impact	320	in-lbs	ASTM D5420
Charpy Impact (73F)	40	kJ/m²	ISO 179A
Rockwell Hardness	117	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	118	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	100	°C	ISO 75
Vicat Softening Temperature	120	°C	ISO 306
CLTE - Flow	7.4E-5	cm/cm/°C	ISO 11359
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	95 to 120	°C	
Drying Time	2 to 4	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	250 to 290	°C	
Mold Temperature	70 to 90	°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.