



TRIVALENCE

TriVALOY 22SI2 - ISO

Polycarbonate + ABS

General Information

Product Description

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

FEATURES

- Improved cycle time
- High Impact
- Chemical Resistant
- ROHS/REACH Compliant
- Medium Flow

ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"

COLOR

- All
- Opaque/Translucent

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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	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/m ²	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	