



TRIVALENCE

TriVALOY V100

Polycarbonate + ABS

General Information

Product Description

Polycarbonate + ABS

FEATURES

- Low Flow
- Good Impact
- Chemical Resistant
- ROHS/REACH Compliant

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	1.13	g/cm ³	ISO 1183/A
Melt Flow Rate (230°C/3.8kg)	5	g/10min	ISO 1133
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	50	MPa	ISO 527
Tensile Elongation, brk	>100	%	ISO 527
Tensile Modulus	2400	MPa	ISO 527
Gardner Impact	320	in-lbs	ASTM D5420
N. Charpy Impact (23C)	42	kJ/M2	ISO 179
Rockwell Hardness	116	R-Scale	ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	120	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	100	°C	ISO 75
Vicat Softening Temperature	122	°C	ISO 75
CLTE - Flow	7.3E-5	cm/cm/°C	ISO 11359
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	90 to 115	°C	
Drying Time	2 to 4	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	250 to 290	°C	
Mold Temperature	75 to 90	°C	