



TRIVALENCE

TriVALOY 22P

Polycarbonate + ABS

General Information

Product Description

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

FEATURES

- Paintable/Plateable
- 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	55	MPa	ISO 527
Tensile Elongation, brk	120	%	ISO 527
Flexural Modulus	2400	MPa	ISO 178
Gardner Impact	320	in-lbs	ASTM D5420
Charpy Impact (73F)	45	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)	121	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	103	°C	ISO 75
Vicat Softening Temperature	122	°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