



TRIVALENCE

TriVALOY 21G30 (U,R)

Polycarbonate + ABS

General Information

Product Description

Glass fiber reinforced polycarbonate/ABS.

FEATURES

-30% Glass Fiber Reinforced
-Good Strength
-Good Creep Resistance
-Medium Flow

-Chemical Resistance

ADDITIONAL FORMULAS

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

COLOR

-All

General

Typical Applications

-Appliance, electrical, lawn & garden, automotive, electronic

Processing Method

-Injection

Form(s)

-Pellets

Availability

-North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	12	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4	%	TVT Internal
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	14,500	psi	ASTM D638
Tensile Elongation	3	%	ASTM D638
Flexural Modulus	900000	psi	ASTM D790
Notched Izod Impact	1.3	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	268	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	244	°F	ASTM D648
Vicat Softening Temperature	272	°F	ASTM D1525
CLTE - Flow	2.5E-5	in/in/°F	ASTM E831
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	190 to 220	°F	
Drying Time	3 to 6	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	460 to 520	°F	
Mold Temperature	150 to 190	°F	