



TRIVALENCE

TriVALOY 21G20 - ISO

Polycarbonate + ABS

General Information

Product Description

Glass reinforced polycarbonate + ABS with low flow and good stiffness.

FEATURES

- Good Heat Resistance
- Good Stiffness
- Medium Impact
- ROHS/REACH Compliant
- 20% Glass Fiber Reinforced

ADDITIONAL FORMULAS

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

COLOR

- All
- Opaque

General

Typical Applications

-Automotive, housings

Processing Method

-Injection

Form(s)

-Pellets

Availability

-North America, Europe, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Flow Rate (260°C/5.0kg)	18	g/10min	ISO 1133
Melt Flow Rate (230°C/3.0kg)	3	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, brk	76	MPa	ISO 527
Tensile Elongation, brk	2	%	ISO 527
Flexural Modulus	5400	MPa	ISO 178
Tensile Modulus	6000	MPa	ISO 527
Notched Izod Impact, RT	6.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	130	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	118	°C	ISO 75
Vicat Softening Temperature	128	°C	ISO 306
CLTE - Flow	1.7E-5	in/in/°F	ISO 11359
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	90 to 120 °C		
Drying Time	4 to 5 Hours		
Suggested Max Moisture	0.02 %		
Processing Melt Temperature	240 to 270 °C		
Mold Temperature	125 to 170 °C		