



TRIVALENCE

TriBLEND 23M8 (U,R)

Polycarbonate + PBT

General Information

Product Description

8% Mineral Reinforced Polycarbonate + PBT, Impact Modified

FEATURES

- High Modulus
- Great Chemical Resistance
- ROHS/REACH Compliant
- Medium Flow
- 8% Mineral Reinforced
- Low Creep
- Good Impact

ADDITIONAL FORMULAS

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

COLOR

- All
- Opaque/Translucent

General

- Typical Applications** -Lawn & garden, transportation, electronics, medical devices, housings
- Processing Method** -Injection/Extrusion
- Form(s)** -Pellets
- Availability** -North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

	Nominal Value Unit	Test Method
Density	1.26 g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	18 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.9 to 1.1 %	TVT Internal
Outdoor Suitability (QUV)("U" Grades Only)	Pass	TVT Internal

Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	8,100 psi	ASTM D638
Tensile Elongation, brk	>120 %	ASTM D638
Flexural Modulus	410,000 psi	ASTM D790
Notched Izod Impact (73F)	12 ft-lbs/in	ASTM D256
Rockwell Hardness	118 R-Scale	ASTM D785
CLTE, flow (-40 to 40C)	7.3E-5 cm/cm/°C	ASTM E831

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	206 °F	ASTM D648
Vicat Softening Temperature	265 °F	ASTM D1525

Flammability

	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	200 to 240 °F
Drying Time	2 to 4 Hours
Suggested Max Moisture	0.02 %
Processing Melt Temperature	490 to 520 °F
Mold Temperature	150 to 190 °F