



TRIVALENCE

TriLEC PC23C (U)

Electrically Conductive Polycarbonate(PC)

Headquarters
3001 Maxx Road
Evansville, IN 47711
800.209.2517

trivalencetechnologies.com

General Information

Product Description

Electrically conductive PC, impact modified.

FEATURES

- Good Strength
- EM/ESD/RFI
- Medium Flow

ADDITIONAL FORMULAS

- Additional UV "U"
- (ESD) grades also available.

COLOR

- All
- Opaque



General

- Typical Applications** -Transportation, defense, packaging, enclosures
- Processing Method** -Injection/Extrusion
- Form(s)** -Pellets
- Availability** -North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ASTM D792
Melt Flow Rate (350°C/1.2kg)	18	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	7000	psi	ASTM D638
Tensile Elongation, yld	>2	%	ASTM D638
Flexural Modulus	510,000	psi	ASTM D790
Unnotched Izod Impact (73F)	6	ft-lbs/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1 x 10 ² - 1x 10 ⁵	Ω/cm ³	ASTM D257
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

- Drying Temperature 240 to 260 °F
- Drying Time 2 to 4 Hours
- Suggested Max Moisture 0.02 %
- Processing Melt Temperature 550 to 590 °F
- Mold Temperature 160 to 240 °F

¹ Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.