



TRIVALENCE

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TriLEC PC23AS (U)

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Electrically Conductive Polycarbonate(PC)

General Information

Product Description

Anti-static PC, impact modified.

FEATURES

- Good Strength
- EMI/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	1.28	g/cm ³	ASTM D792
Melt Flow Rate (350°C/1.2kg)	14	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 ¹⁰ - 1x 10 ¹²	Ω/cm ²	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.