



TRIVALENCE

TriLEC PC23ESD (U)

Electrically Conductive Polycarbonate(PC)

General Information

Product Description

Electrostatic dissipative PC, impact modified.

FEATURES

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

ADDITIONAL FORMULAS

- Additional UV "U"
- (C, AS) 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

	Nominal Value	Unit	Test Method
Physical			
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			
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			
Surface Resistivity	1 x 10 ⁹ - 1x 10 ¹¹	Ω/cm ³	ASTM D257
Flammability			
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