



**TRIVALENCE**

# TriLEC PC13ESD (U)

Electrically Conductive Polycarbonate(PC)

**General Information**

**Product Description**

Electrostatic dissipative PC, impact modified.

**FEATURES**

- Good Strength
- EMI/ESD/RFI
- Low 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 Properties<sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	1.28	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (350°C/1.2kg)	8	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
<b>Mechanical</b>			
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
<b>Electrical</b>			
Surface Resistivity	1 x 10 <sup>9</sup> - 1x 10 <sup>11</sup>	Ω/cm <sup>3</sup>	ASTM D257
<b>Flammability</b>			
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