



**TRIVALENCE**

# TriLEC PP24ESD (U)

**Electrically Conductive Polypropylene (PP)**

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## General Information

### Product Description

Electrostatic dissipative PP, impact modified.

#### FEATURES

- Good Impact Copolymer
- EMI/ESD/RFI
- Medium Flow

#### ADDITIONAL FORMULAS

- Additional UV "U"
- (C,AM) grades also available.

#### COLOR

- All
- Opaque



### General

#### Typical Applications

-Transportation, defense, packaging, conveyment, casters.

#### 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	1.00	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	20	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.3 to 1.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
<b>Mechanical</b>			
Tensile Strength, yld	3500	psi	ASTM D638
Tensile Elongation, yld	>8	%	ASTM D638
Flexural Modulus	180000	psi	ASTM D790
Unnotched Izod Impact (73F)	12	ft-lbs/in	ASTM D256
<b>Electrical</b>			
Surface Resistivity	1 x 10 <sup>6</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	160 to 180 °F
Drying Time	2 to 4 Hours
Suggested Max Moisture	0.02 %
Processing Melt Temperature	380 to 440 °F
Mold Temperature	80 to 140 °F

<sup>1</sup> 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.