



**TRIVALENCE**

# TriLEC PP24ESD (U)

Electrically Conductive Polypropylene (PP)

**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