



TRIVALENCE

TriLEC PP14ESD (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
- Low 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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	4	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.3 to 1.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
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
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1 x 10 ⁶ - 1x 10 ¹¹	Ω/cm ³	ASTM D257
Flammability	Nominal Value	Unit	Test Method
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

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.