



TRIVALENCE

TriLEC PP14C (U)

Electrically Conductive Polypropylene (PP)

General Information

Product Description

Electrically conductive PP, impact modified.

FEATURES

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

ADDITIONAL FORMULAS

- Additional UV "U"
- (ESD) 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

	Nominal Value	Unit	Test Method
Physical			
Density	1.02	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			
Tensile Strength, yld	3500	psi	ASTM D638
Tensile Elongation, yld	>8	%	ASTM D638
Flexural Modulus	180000	psi	ASTM D790
Unnotched Izod Impact (73F)	14	ft-lbs/in	ASTM D256
Electrical			
Surface Resistivity	1 x 10 ² - 1x 10 ⁵	Ω/cm ³	ASTM D257
Flammability			
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