



TRIVALENCE

TriLEC PP14AS (U)

Electrically Conductive Polypropylene (PP)

General Information

Product Description

Anti-Static PP, impact modified.

FEATURES

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

ADDITIONAL FORMULAS

- Additional UV "U"
- (C, 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	0.99	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)	12	ft-lbs/in	ASTM D256
Electrical			
Surface Resistivity	1 x 10 ¹¹ - 1 x 10 ¹²	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