TRIVALENCE

TriLEC PP14ESD (U)

Electrically Conductive Polypropylene (PP)

General Information

Product Description

Electrostatic dissipative PP, impact modified.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Good Impact Copolymer	-Additional UV "U"	-All
-EMI/ESD/RFI		-Opaque
-Low Flow	-(C, AM) grades also available.	

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[1]

Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm³	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	1×10^{6} - 1×10^{11}	Ω/cm³	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