




**TRIVALENCE**

# TriLEC PP24AS (U)

**Electrically Conductive Polypropylene (PP)**

**General Information**

Product Description	
Anti-Static PP, impact modified.	
<b>FEATURES</b> -Good Impact Copolymer -EMI/ESD/RFI -Medium Flow	<b>ADDITIONAL FORMULAS</b> -Additional UV "U"  -(C, ESD) grades also available.
<b>COLOR</b> -All -Opaque	

**General**

<b>Typical Applications</b>	-Transportation, defense, packaging, conveyment, casters.
<b>Processing Method</b>	-Injection/Extrusion
<b>Form(s)</b>	-Pellets
<b>Availability</b>	-North America, Europe, Asia, Latin America

**ASTM / ISO Properties<sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	0.99	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>11</sup> - 1 x 10 <sup>12</sup>	Ω/cm <sup>2</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