TRIVALENCE

TriLEC PC13C (U)

Electrically Conductive Polycarbonate(PC)

General Information

Product Description

Electrically conductive PC, impact modified.

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

General

Typical Applications	-Transportation, defense, packaging, enclosures
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	1.29	g/cm³	ASTM D792
Melt Flow Rate (350°C/1.2kg)	8	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	7000	psi	ASTM D638
Tensile Elongation, yld	>2	%	ASTM D638
Flexural Modulus	510,000	psi	ASTM D790
Unnotched Izod Impact (73F)	6	ft-lbs/in	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1 x 10^2 - 1x 10^5	Ω/cm³	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	240 to 260	°F
Drying Time	2 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	550 to 590	°F
Mold Temperature	160 to 240	°F