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TriLEC PC13ESD (U)

Electrically Conductive Polycarbonate(PC)

General Information

Product Description

Electrostatic dissipative PC, impact modified.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Good Strength	-Additional UV "U"	-All
-EMI/ESD/RFI	-(C, AS) 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	1.28	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	1×10^{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	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

[1] Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.