



**Product Name: Blow Molded Cases  
Electrafil PP-61/EC**

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**Product Characteristics**

Material Status	Commercial Active
Availability	North America
Test Standards Available	ASTM
Additive	Carbon Black
Recycled Content	No
Features	Antistatic Copolymer Electrically Conductive
Forms	Pellets
Processing Method	Injection Molding

<b>Physical Properties</b>	<b>Nominal Values (English)</b>	<b>Test Method</b>
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Density Specific Gravity	1.00 sp gr 23/23C	ASTM D792
Mold Shrink Linear-Flow (0.125in)	.018 in/in	ASTM D955

**Mechanical**

Tensile Strength (73F)	3300 psi	ASTM D638
Tensile Elongation @Brk (73F)	15%	ASTM D638
Flexural Modulus (73F)	14500 psi	ASTM D790
Flexural Strength (73F)	4500 psi	ASTM D790

**Impact**

Notched Izod Impact	8.00 ft-lb/in	ASTM D256
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**Thermal**

DTUL @264psi – Unannealed	120F	ASTM D648
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**Electrical**

Surface Resistivity	5.5E+003 ohms	ASTM D257
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**Additional Properties**

Surface Resistivity. ASTM D4496 1E3-1E4 ohms

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*Conductive Containers Incorporated*

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**Injection Molding Parameters**

**Processing Information**

Drying Temperature	150 F
Drying Time	2.0 Hours
Rear Temperature	420-440 F
Middle Temperature	440-480 F
Front Temperature	430-450 F
Nozzle Temperature	430-450 F
Processing (Melt) Temp	430-450 F
Mold Temperature	80-150 F
Injection Rate	Moderate
Back Pressure	50.0 psi

**Injection Notes**

Screw Speed: Medium

Recommendations for molding and tool conditions: Well-Vented Mold.  
Mold temperature will have substantial effect on surface resistivity of a molded part.  
Moisture content, as received: Product is packaged at .2% or less.

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**Conductive Containers, Inc.**

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