

**Electrafil® PP-62/CC/15 EC BK**

Techmer Polymer Modifiers - Polypropylene

**General**

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Calcium Carbonate
Features	• Electrically Conductive
Appearance	• Black
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.07		ASTM D792
Molding Shrinkage - Flow (0.125 in)	4.0E-3 to 6.0E-3	in/in	ASTM D955
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	140000	psi	ASTM D638
Tensile Strength (Yield)	2800	psi	ASTM D638
Tensile Strength (Break)	1800	psi	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (0.125 in)	2.5	ft·lb/in	ASTM D256
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	< 1.0E+6	ohms	ASTM D257

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	430 to 470	°F
Middle Temperature	440 to 480	°F
Front Temperature	450 to 490	°F
Nozzle Temperature	455 to 495	°F
Processing (Melt) Temp	440 to 490	°F
Mold Temperature	50 to 150	°F
Injection Rate	Slow-Moderate	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Slow	

