

**Electrafil® PP-61/EC**

 Techmer Polymer Modifiers - *Polypropylene Copolymer*
**General Information**

<b>General</b>			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Carbon Black		
Features	• Antistatic	• Copolymer	• Electrically Conductive
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

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

	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
<b>Physical</b>			
Density / Specific Gravity	1.00		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (73°F)	3300	psi	ASTM D638
Tensile Elongation (Break, 73°F)	15	%	ASTM D638
Flexural Modulus (73°F)	145000	psi	ASTM D790
Flexural Strength (73°F)	4500	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	8.0	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	120	°F	ASTM D648
<b>Electrical</b>			
Surface Resistivity	5.5E+3	ohms	ASTM D257
<b>Additional Information</b>			
Surface Resistivity, ASTM D4496: 1E3-1E4 ohms			

**Processing Information**

	<b>Nominal Value</b>	<b>Unit</b>
<b>Injection</b>		
Drying Temperature	150	°F
Drying Time	2.0	hr
Rear Temperature	420 to 440	°F
Middle Temperature	440 to 460	°F
Front Temperature	430 to 450	°F
Nozzle Temperature	430 to 450	°F
Processing (Melt) Temp	430 to 450	°F
Mold Temperature	80 to 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 a substantial effect on surface resistivity of a molded part  
 Moisture Content, as received: Product is packaged at 0.2% or less.

