

**Electrafil® PP-60/CC/20/EC BK**

Techmer Polymer Modifiers - Polypropylene

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

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.15		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.012	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Yield)	4200	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	7000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125 in)	0.70	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	7.0	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648
<b>Electrical</b>			
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	400 to 430	°F
Middle Temperature	410 to 440	°F
Front Temperature	420 to 450	°F
Nozzle Temperature	410 to 440	°F
Processing (Melt) Temp	400 to 450	°F
Mold Temperature	100 to 150	°F
Injection Rate	Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Slow-Moderate	

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
