

**Electrafil® J-71/CF/20/EG NATL**

 Techmer Polymer Modifiers - *Polyamide 6*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber, 20% Filler by Weight
Appearance	• Natural Color
Processing Method	• Injection Molding

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

<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress (Yield)	21100	psi	ISO 527-2
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact Strength (0.125 in)	3.0	ft·lb/in <sup>2</sup>	ISO 180
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	< 1.0E+4	ohms	ASTM D257

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	470 to 500	°F
Middle Temperature	480 to 510	°F
Front Temperature	490 to 520	°F
Nozzle Temperature	500 to 530	°F
Processing (Melt) Temp	480 to 525	°F
Mold Temperature	100 to 200	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

