

**Electrafil® NY-7/EC NATL**

 Techmer Polymer Modifiers - *Polyamide 6*
**General Information**
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Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Features	<ul style="list-style-type: none"> <li>Electrically Conductive</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Black</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

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

<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	9000	psi	ASTM D638
Tensile Strength (Break)	9000	psi	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	370000	psi	ASTM D790
Flexural Strength	12500	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (0.125 in)	2.8	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	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	490 to 510	°F
Middle Temperature	520 to 540	°F
Front Temperature	520 to 540	°F
Nozzle Temperature	520 to 540	°F
Processing (Melt) Temp	520 to 540	°F
Mold Temperature	125 to 175	°F
Injection Rate	Slow	
Back Pressure	75.0 to 125	psi
Screw Speed	Slow-Moderate	

