

**Electrafil® 02003 HS**

 Techmer Polymer Modifiers - *Polypropylene*
**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>
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>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.990		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	200000	psi	ASTM D638
Tensile Strength (Yield)	3500	psi	ASTM D638
Tensile Strength (Break)	2500	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	12	ft-lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	440 to 470	°F
Middle Temperature	450 to 480	°F
Front Temperature	460 to 490	°F
Nozzle Temperature	465 to 500	°F
Processing (Melt) Temp	440 to 500	°F
Mold Temperature	50 to 150	°F
Injection Rate	Moderate	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Slow	

**Notes**

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

