

**Electrafil® PA6/6 05012**

 Techmer Polymer Modifiers - *Polyamide 66*
**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>
Filler / Reinforcement	<ul style="list-style-type: none"> <li>Filler</li> </ul>
Features	<ul style="list-style-type: none"> <li>Conductive</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Colors Available</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.92		ASTM D792
Molding Shrinkage - Flow (0.125 in)	8.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	8000	psi	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	575000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	120		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	435	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	160	°F	ASTM D648
CLTE - Flow	4.4E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Surface Resistivity	1.0	ohms	ASTM D257
Volume Resistivity	1.0	ohms·cm	ASTM D257
EMI Attenuation	70	dB	ASTM D4935
<b>Flammability</b>			
Flame Rating (0.06 in)	V-1		UL 94

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