

**Electrafil® PA6/6 G/CF15 C - 3 BK**

 Techmer Polymer Modifiers - *Polyamide 66*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber\Carbon Fiber
Additive	• Carbon Black
Appearance	• Black • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.17		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Break)	15800	psi	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	650000	psi	ASTM D790
Flexural Strength	19000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	2.8	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	86		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	470	°F	ASTM D648
CLTE - Flow	1.7E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+3 to 1.0E+5	ohms·cm	ASTM D257
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94
<b>Additional Information</b>			
TPCI #			

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