

**Electrafil® PC/ABS 830 SS7 BK**

 Techmer Polymer Modifiers - *Polycarbonate + ABS*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Stainless Steel Fiber, 7.0% Filler by Weight
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.19		ASTM D792
Water Absorption (24 hr)	0.10	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	7700	psi	ASTM D638
Tensile Elongation (Yield)	130	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	11	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	115		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648
CLTE - Flow	4.1E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+4	ohms·cm	ASTM D257
<b>Flammability</b>			
Flame Rating	HB		UL 94

