

## Electrafil® PC/ABS CF20 BK

Techmer Polymer Modifiers - Polycarbonate + ABS

### General

Material Status	• Commercial: Active <sup>1</sup>
Availability	• North America
Filler / Reinforcement	• Carbon Fiber, 20% Filler by Weight
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>2</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.10E+6	psi	ASTM D638
Tensile Strength (Yield)	21500	psi	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	2.00E+6	psi	ASTM D790
Flexural Strength	21000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.3	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+4	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

