

Electrafil® PA6 GF15 C BK

 Techmer Polymer Modifiers - *Polyamide 6*
General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Conductive
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900000	psi	ASTM D638
Tensile Strength (Yield)	15000	psi	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.65	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 to 1.0E+12	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	460 to 510	°F
Middle Temperature	460 to 510	°F
Front Temperature	460 to 510	°F
Nozzle Temperature	480 to 510	°F
Processing (Melt) Temp	460 to 510	°F
Mold Temperature	160 to 200	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 100	psi
Screw Speed	Slow	

