

Stat-Tech™ PC-08CF/000 NH FR BLACK

Polycarbonate
PolyOne Corporation

Message:
Carbon Fiber Filled, Non-Halogen Containing Flame Retardant Polycarbonate Compound

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Halogen-free		
	Flame retardancy		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage (3.00 mm)	0.40 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4800	MPa	ASTM D638
Tensile Strength ²	90.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.5	%	ASTM D638
Flexural Modulus ⁴	5500	MPa	ASTM D790
Flexural Strength ⁵	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm, Injection Molded)	90	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	139	°C	ASTM D648
1.8 MPa, not annealed	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+2 - 5.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110 - 130	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	280 - 310	°C	
Mold Temperature	80.0 - 120	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			

NOTE	
1.	5.0 mm/min
2.	5.0 mm/min
3.	5.0 mm/min
4.	1.3 mm/min
5.	1.3 mm/min

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Recommended distributors for this material

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