

Edgetek™ PC-15CF-15GF/000 NH FR V0 Black

Polycarbonate

PolyOne Corporation

Message:

Carbon Fiber and Glass Fiber Reinforced, Non-halogen Containing Flame Retardant Polycarbonate Compound

General Information			
Filler / Reinforcement	Glass, carbon fiber reinforced materials		
Features	Halogen-free		
	Flame retardancy		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage (3.00 mm)	0.10 - 0.20	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	11500	MPa	ASTM D638
Tensile Strength ² (Break)	130	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	12000	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	100	J/m	ASTM D256A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 - 1.0E+5	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-1		UL 94
3.00 mm	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 130	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	280 - 310	°C	
Mold Temperature	80.0 - 100	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	Type 1, 5.1 mm/min		

2.	Type 1, 5.1 mm/min
3.	Type 1, 5.1 mm/min

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Recommended distributors for this material

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