

Edgetek™ PC-20GF/000 NH FRV0 BLK

Polycarbonate

PolyOne Corporation

Message:

Glass Fiber Reinforced, Impact Modified, Non-halogen Containing Flame Retardant Polycarbonate Compound. UL listed.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Halogen-free Flame retardancy		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage (3.00 mm)	0.20 - 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	115	MPa	ASTM D638
Tensile Elongation ² (Break)	3.0	%	ASTM D638
Flexural Modulus ³	6000	MPa	ASTM D790
Flexural Strength ⁴	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			
1.00 mm	V-1		Internal method
1.50 mm	V-0		UL 94
Injection	Nominal Value	Unit	Test Method
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-HIGH Hold Pressure: MED-HIGH Screw Speed: MODERATE Back Pressure: LOW			
NOTE			

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

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