

Edgetek™ PC-15CF-15GF/000

Polycarbonate

PolyOne Corporation

Message:

Edgetek™ PC-15CF-15GF/000 is a Polycarbonate (PC) product filled with glass\carbon fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame retardant.

General Information			
Filler / Reinforcement	Glass\Carbon Fiber		
Features	Flame Retardant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.15	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	12400	MPa	ASTM D638
Tensile Strength ² (Break)	138	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.0	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	130	J/m	ASTM D256A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+5	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	127	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	293 to 327	°C	
Mold Temperature	121	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

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