

Edgetek™ PC-10GF/15T BK029

Polycarbonate

PolyOne Corporation

Message:

3212029

General Information			
UL YellowCard	E76261-101413970		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	PTFE lubricant (15%)		
Uses	Transfer application		
	Household goods		
	Metal substitution		
	Sporting goods		
	Printing machine parts		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm)	105	MPa	ASTM D638
Flexural Modulus	7500	MPa	ASTM D790
Flexural Strength	170	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)	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	HB		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	120 - 130	°C	
Drying Time	3.0 - 4.0	hr	

Processing (Melt) Temp	290 - 310	°C
Mold Temperature	90 - 110	°C
NOTE		
1.	5.0 mm/min	

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Recommended distributors for this material

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