

Edgetek™ ET3200-8093 FR Black

Polycarbonate

PolyOne Corporation

Message:

Glass fiber reinforced, non-halogen containing flame retardant polycarbonate compound with excellent flowability

General Information			
Features	Flame Retardant		
	Halogen Free		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	82.0	MPa	ASTM D638
Flexural Modulus ²	3850	MPa	ASTM D790
Flexural Strength ³	134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.60 mm	V-0		
1.75 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	245 to 280	°C	
Mold Temperature	40.0 to 80.0	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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