

Edgetek™ CY4000-30GF/000 FR V0 GR703

Polycarbonate + PBT

PolyOne Corporation

Message:

Impact modified, glass fiber reinforced PC/PBT alloy with outstanding impact strength and chemical resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Impact modification		
	Good chemical resistance		
	Flame retardancy		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage (3.00 mm)	0.30 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	120	MPa	ASTM D638
Flexural Modulus ²	8000	MPa	ASTM D790
Flexural Strength ³	170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	108	°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 (1.60 mm)	V-0		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 120	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	80.0 - 100	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		

2.	1.3 mm/min
3.	1.3 mm/min

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