

Stat-Tech™ AT-CB2/000 CR

Acetal (POM) Copolymer
PolyOne Corporation

Message:

Stat-Tech™ AT-CB2/000 CR
XP020229R2

General Information			
Filler / Reinforcement	Carbon Nano		
Features	Clean/High Purity		
Uses	Aerospace Applications		
	Automotive Electronics		
	Business Equipment		
	Computer Components		
	Connectors		
	Electrical Housing		
	Electrical/Electronic Applications		
	Housings		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36 to 1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.5 to 2.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2070 to 4140	MPa	ASTM D638
Tensile Strength (Break)	51.7 to 68.9	MPa	ASTM D638
Tensile Elongation ² (Break)	10 to 20	%	ASTM D638
Flexural Modulus	1380 to 3450	MPa	ASTM D790
Flexural Strength	82.7 to 103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	53 to 130	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	153	°C	
1.8 MPa, Unannealed, 3.18 mm	105	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5 to 1.0E+8	ohms	ASTM D257
Volume Resistivity	1.0E+4 to 1.0E+7	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 85.0	°C
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	190 to 200	°C
Mold Temperature	75.0 to 85.0	°C
NOTE		
1.	Type I, 5.1 mm/min	
2.	Type I, 5.1 mm/min	

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