

Stat-Tech™ ST7300-8045 EI DFB Carbonite

Acrylonitrile Butadiene Styrene

PolyOne Corporation

Message:

Permanent antistatic and high heat resistant ABS compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 5.0% filler by weight		
Features	Antistatic property		
	Heat resistance, high		
Appearance	Dark gray		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage	0.40 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	40.0	MPa	ASTM D638
Flexural Modulus ²	2100	MPa	ASTM D790
Flexural Strength ³	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	300	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 - 1.0E+11	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
1.50 to 2.99mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	2.0 - 3.0	hr	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	65.0 - 85.0	°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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