

## SINHO ELECTRONIC TECHNOLOGY CO.,LTD

# PHYSICAL PROPERTIES

Items: PC (Polycarbonate) Conductive Compound Materials

Brand: **POLYONE** Product Code: **SZ3223703**

CHARACTERISTICS	TEST METHOD	NOMINAL VALUE (SI)		NOMINAL VALUE (ENGLISH)	
<b>Physical Properties</b>					
Specific Gravity	ASTM D792	1.25		1.25	
Mould Shrinkage	ASTM D955	0.4-0.7	%	0.004-0.007	in/in
<b>Mechanical Properties</b>					
Tensile Strength	ASTM D638	65	MPa	9425	psi
Flexural Strength	ASTM D790	105	MPa	15225	psi
Flexural Modulus	ASTM D790	3000	MPa	435	ksi
Notched Izod Impact Strength (3.2mm)	ASTM D256	300	J/m	5.7	ft-lb/in
<b>Thermal Properties</b>					
Melt Flow Index	ASTM D1238	4-7	g/10min	4-7	g/10min
<b>Electrical Properties</b>					
Surface Resistivity	ASTM D257	1E4-1E5	ohms	1E4-1E5	ohms
<b>Flammability Properties</b>					
Flame Rating @ 3.2mm	Internal	NA		NA	
<b>Processing Conditions</b> PC					
Barrel Temperature		280-300	°C	536-572	°F
Mould Temperature		90-110	°C	194-230	°F
Drying Temperature		120-130	°C	248-266	°F
Drying Time		3-4	Hour	3-4	Hour
Injection Pressure		MED-HIGH			
Hold Pressure		MED-HIGH			
Screw Speed		MODERATE			
Back Pressure		LOW			

### Recommended Storage Conditions:

- 1) Storage Temperature: 0~ 40°C
- 2) Relative humidity: < 65%RH
- 3) Be protected from direct sunlight and moisture
- 4) Shelf life: one year

WHEN YOU HAVE QUESTION WITH DATA SHEET,WE COMPOUND THE ANSWER

SINHO ELECTRONIC TECHNOLOGY CO.,LTD

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