

SD POLYCA™ PCX-10325B

Polycarbonate

Sumika Styron Polycarbonate Limited

Message:

SD POLYCA FD9082I and PCX-10325B is a conductive polycarbonate grade and a transparent antistatic polycarbonate grade respectively. These products have excellent electrical properties while maintaining excellent properties of CALIBRE polycarbonate resin.

General Information			
Features	Antistatic property		
	Good electrical performance		
	Definition, high		
Appearance	Clear/transparent		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955
Flow	0.50 - 0.70	%	ASTM D955
Transverse flow	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	67.0	MPa	ASTM D638
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	102	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+12	ohms	IEC 60093
Volume Resistivity	1.5E+10	ohms · cm	IEC 60093

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