

SD POLYCA™ FD9082I02

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	Conductivity		
	Good electrical performance		
Physical	Nominal Value	Unit	Test Method
Density	1.21	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	63.0	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	2460	MPa	ASTM D790
Flexural Strength	92.0	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)	95.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	ohms	IEC 60093
Volume Resistivity	1.0E+2	ohms · cm	IEC 60093

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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