



**CCGA CARRIER PN 034000**  
**MATERIALS DATA SHEET**  
**REV 11-2022-A**

Product Part Number: 034000

Product Description: Carrier for 1.0mm pitch Column Grid Array (CGA)

Materials Description: Conductive, Black Polycarbonate (PC) with Carbon Powder

Base Resin: Polycarbonate (PC)

<b>MECHANICAL</b>	<b>TEST METHOD</b>	<b>AVERAGE VALUE</b>
Specific Gravity	ASTM D-792	1.26
Tensile Strength	ASTM D-638	63 Mpa
Tensile Elongation	ASTM D-638	20%
Flexural Strength	ASTM D-790	92 MPa
Flexural Modulus	ASTM D-790	3 GPa
IZOD Impact Strength		
Notched 1/8" Section	ASTM D-256	80.1 J/M
Unnotched	ASTM D-256	1868.3 J/M

<b>ELECTRICAL</b>	<b>TEST METHOD</b>	<b>AVERAGE VALUE</b>
Surface Resistivity	ASTM D-257	$10^2$ to $10^6$ Ohms/SQ
Volume Resistivity	ASTM D-257	$10^2$ to $10^6$ Ohm-cm

<b>THERMAL</b>	<b>TEST METHOD</b>	<b>AVERAGE VALUE</b>
H.D.T @ 66 PSI	ASTM D-648	135°C
Maximum Recommended Operating Temperature		90°C