

# NEMCON E PC CB

Polycarbonate  
Ovation Polymers Inc.

Message:

Nemcon™ E-series products are designed for use in ESDA electronic assembly environments. Nemcon™ E PC CB is a carbon black-filled polycarbonate characterized by consistent moldability, recyclability, low outgassing, and good conductivity.

General Information			
Additive	Carbon Black		
Features	Conductive		
	Good Moldability		
	Low to No Outgassing		
	Recyclable Material		
Uses	Electrical Parts		
	Support Trays		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup> (23°C)	2780	MPa	ASTM D638
Tensile Strength <sup>2</sup>			ASTM D638
Yield, 23°C	63.0	MPa	
Break, 23°C	62.0	MPa	
Tensile Elongation <sup>3</sup> (Break, 23°C)	14	%	ASTM D638
Flexural Modulus <sup>4</sup> (23°C, 50.0 mm Span)	2800	MPa	ASTM D790
Flexural Strength <sup>5</sup> (Break, 23°C, 50.0 mm Span)	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	56	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	130	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+4	ohms	ASTM D257
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		

4.	1.3 mm/min
5.	1.3 mm/min

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#### Recommended distributors for this material

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