

# NEMCON E PC 08CF

Polycarbonate  
Ovation Polymers Inc.

Message:

Nemcon™ E-series products are designed for use in ESDA electronic assembly environments where strict control of ESD and cleanliness are critical. Nemcon™ E PC 08CF is a carbon fiber reinforced polycarbonate characterized by high stiffness, consistent moldability, low sloughing and uniform conductivity.

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Clean/High Purity		
	Conductive		
	ESD Protection		
	Good Moldability		
	High Stiffness		
	Non-Sloughing		
Uses	Electrical Parts		
	Support Trays		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup> (23°C)	5600	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break, 23°C)	93.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus <sup>4</sup> (23°C)	6400	MPa	ASTM D790
Flexural Strength <sup>5</sup> (Yield, 23°C)	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	7.2E+4	ohms	ASTM D257
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		

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#### Recommended distributors for this material

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