

NEMCON E CPC/X1

Polycarbonate Alloy
Ovation Polymers Inc.

Message:
PC Alloy - ESD Range Electrical Conductivity with High HDT and improved processability.

General Information			
Features	Electrically Conductive		
	Good Processability		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2400	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield	68.0	MPa	
Break	67.0	MPa	
Tensile Elongation ³ (Break)	5.0	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	3200	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	125	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	131	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 8.0E+4	ohms	ASTM D4496
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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