

Product Data Sheet

Nemcon™ E - PC CB

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.

Applications

- Shipping/handling trays for components, IC's and circuit assemblies
- Internal components/assemblies

Typical Properties*	Standard	Unit	Typical Value
Physical			
Specific Gravity	D 792		1.26
Mechanical			
Tensile Stress @ yld, 50 mm/min	D 638	MPa.	63
Tensile Stress @ brk, 50 mm/min	D 638	MPa.	62
Tensile Strain @ brk, 50 mm/min	D 638	%	14
Tensile Modulus, 50 mm/min	D 638	MPa.	2780
Flexural Stress @ brk, 1.3 mm/min, 50 mm span	D 790	MPa.	100
Flexural Modulus, 1.3 mm/min, 50 mm span	D 790	MPa.	2800
Izod Impact, notched @ 23°C	D 256	ft-lb/in	1.05
Thermal			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	130
Electrical Properties			
Surface Resistivity	D 257	Ohms/sq	3.0E+04

*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. AGNI is the flame retardant product brand from Ovation polymers.

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