

## Product Data Sheet

### Nemcon™ E - CPC/X1

PC Alloy – ESD Range Electrical Conductivity with High HDT and improved processability.

Properties*	Standard	Unit	Typical Value
<b>Physical</b>			
Specific Gravity	D 792		1.26
<b>Mechanical</b>			
Tensile Stress @ yld, 50 mm/min	D 638	MPa.	68
Tensile Stress @ brk, 50 mm/min	D 638	MPa.	67
Tensile Strain @ brk, 50 mm/min	D 638	%	5
Tensile Modulus, 50 mm/min	D 638	MPa.	2400
Flexural Stress @ brk, 1.3 mm/min, 50 mm span	D 790	MPa.	125
Flexural Modulus, 1.3 mm/min, 50 mm span	D 790	MPa.	3200
Izod Impact, notched @ 23°C	D 256	J/m	50
<b>Thermal</b>			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	131
<b>Electrical Properties</b>			
Surface Resistivity	D 257	Ohms/sq.	< 8.0 E + 4

\*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.

Technical information contained in this report is furnished without cost or obligation. Nothing contained in this bulletin shall be considered a recommendation for use which may infringe on any patent rights or as an endorsement of any material supplied by Ovation Polymers, Inc. (OPTEM). Since Ovation Polymers, Inc. has no control over the many different conditions under which this information and our products may be used, Ovation Polymers, Inc. recommends each user to conduct its own tests to determine a material's suitability for a particular use. We do not guarantee the applicability or suitability of our products in any given situation. The properties listed herein fall within the normal range of product properties and should not be used to establish specification limits. Colorants, additives and secondary operations of any kind may alter some or all of the properties of these materials. Flammability information included herein indicates only the potential for meeting UL listing criteria and does not necessarily mean that UL listings for any given material have been secured.