

## Product Data Sheet

### Nemcon™ E HDPE 11000

HDPE – ESD Range Conductivity with improved processability and UV resistance.

Properties*	Standard	Unit	Typical Value
<b>Physical</b>			
Specific Gravity	D 792		0.99
<b>Mechanical</b>			
Tensile Stress @ yld, 50 mm/min	D 638	MPa.	25
Tensile Stress @ brk, 50 mm/min	D 638	MPa.	23
Tensile Strain @ brk, 50 mm/min	D 638	%	12 – 15
Tensile Modulus, 50 mm/min	D 638	MPa.	820
Flexural Stress @ brk, 1.3 mm/min, 50 mm span	D 790	MPa.	23
Flexural Modulus, 1.3 mm/min, 50 mm span	D 790	MPa.	510
Izod Impact, notched @ 23°C	D 256	J/m	40
<b>Thermal</b>			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	50
<b>Electrical Properties</b>			
Surface Resistivity	D 257	Ohms/sq.	3.0 X 10 <sup>3</sup>

\*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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