



## SWeNT<sup>®</sup> V2Vi 100x – Preliminary Datasheet

### Single Wall Carbon Nanotube Ink

- Typical Properties

Form	Black Viscous Liquid
Density (g cm <sup>-3</sup> )	0.83
Viscosity (cP at 23°C) (Brookfield Viscometer – No 3 Spindle)	3,300 - 3800
Surface Tension (dyne cm <sup>-1</sup> )	TBD
Surface Resistivity of Dried Ink Film	Surface resistivity of the dried CNT film will depend on the substrate. Surface resistivity in the range of 1,000 to 2,000 Ω/□ with a Transmittance of 80 to 83% is typical on polyester film.

- Recommended Drying Temperature

The coated film can be dried at oven temperatures as low as 100°C. At this temperature, drying times will be of the order of 2 minutes. Higher temperatures can be used if faster drying times are required.

- Shelf Life and Storage Conditions.

This is an experimental product and full shelf life studies have not been conducted. Ink should be stored at < 25°C and it is anticipated that after 30 days storage re-sonication may be required to ensure the expected conductivity is achieved.