



## ORGACon™ Clear Conductive Screen-Printing Inks

Orgacon screen-printable inks are based on conductive polymer PEDOT/PSS and enable patterning of transparent conductive structures from plain down to resolution of 100 microns on flexible and rigid substrates such as PET, PC, PMMA, PI, and glass. Orgacon EL-P inks can achieve excellent characteristics such as flexibility and formability for electrodes of electroluminescent lamps, capacitive touch sensors, and membrane switches. Recommended screen is 350 polyester mesh for a wet film thickness of 1 mil. Resolutions of 100 microns can be achieved.

### Typical Applications

Grade	Typical applications	SER @ P77/55 (Ohm/square)	SER x OD* ASTM D 1003	Viscosity (Pas), 25°C
<b>EL-P3145</b>	Patterned transparent conductive structures for EL and touch applications. Best for transparency.	240	10	> 12
<b>EL-P3155</b>	Patterned transparent conductive structures for LED- backlit capacitive sensors. Best for white light stability.	350	14	> 12
<b>EL-P5015</b>	Patterned transparent conductive fine structures for EL and touch applications, OPV ITO substitution. Highest conductivity. Preferred for achieving less than 20 micron dry film thickness.	125	18	> 100

\* Lower value for SER x OD (Optical Density) indicates higher opto-electrical performance

### Properties

Solid Content: 2.5 – 5.5% wt.  
Color: Dark blue  
Shelf Life: 12 months after fabrication date

**Storage** Store the product between 4°C and 25°C

Orgacon PEDOT Inks Manufactured by:



Authorized USA distributor:



**Applied Ink Solutions**

A DIVISION OF MICROCHEM

200 Flanders Road  
Westborough, MA 01581  
Tel 617.965.5511  
[www.appliedinksolutions.com](http://www.appliedinksolutions.com)