



## ORGAICON™ 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.

Manufactured by:



Grade	Typical applications	SER @ P120	SERxOD* ASTM D 1003	Viscosity (Pas), 25°C
<b>EL-P3145</b>	Patterned transparent conductive structures for EL and touch applications. Best for transparency.	350	8	> 14
<b>EL-P3155</b>	Patterned transparent conductive structures for LED- backlit capacitive sensors. Best for white light stability.	400	11	> 14
<b>EL-P3165</b>	Enhanced stability. Patterned transparent conductive structures for LED-backlit capacitive sensors for long-run printing	375	11	> 40
<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.	190	18	> 50

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

Additional Information	
<b>Solid Content</b>	2.5 – 5.5% wt.
<b>Color</b>	dark blue
<b>Shelf Life</b>	12 months after fabrication date
<b>Storage</b>	Between 4°C and 25°C
<b>Health &amp; Safety</b>	See Safety Data Sheet
<b>Processing Recommendations</b>	Contact us for processing guidelines

Authorized USA distributor:

