



ORGAICON™ 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.

Typical Applications

Grade	Typical applications	SER @ P77/55 (Ohm/square)	SER x OD * ASTM D 1003	Viscosity (Pas), 25°C
EL-P3040	Transparent conductive electrode for EL applications	680	40	> 8
EL-P3145	Patterned transparent conductive structures for EL and touch applications	240	10	> 12
EL-P5010	Patterned medium-transparent conductive fine structures for EL and touch applications, OPV HIL	280	50	> 100
EL-P5015	Patterned transparent conductive fine structures for EL and touch applications, OPV HIL	125	18	> 100

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

Properties

- Solid content 2 - 3% wt.
- Color dark blue
- Shelf life 12 months in storage conditions (24 months EL-P3040)

Storage

- Store the product between 4°C and 25°C

Health and Safety

- See Material Safety Data Sheet

Processing recommendations

- Contact us for processing guidelines

EUROPE + USA

Agfa-Gevaert NV
FRANK LOUWET
Orgacon Business Manager

Septestraat 27, B-2640 Mortselsel
Belgium
T +32 (0)3 444 3250
F +32 (0)3 444 7662
frank.louwet@agfa.com

DKSH Switzerland Ltd
OMAR SABINOT

Wiesenstrass 8, P.O. Box 888
CH-8034 Zurich
Switzerland
T +41 44 3867312
F +41 44 3867712
omar.sabinot@dksh.com

ITO America Corporation
ERIC THRAN

7700 South River Parkway
Tempe, AZ 85284
USA
T +1 480 998 2250
F +1 602 296 0483
eric@ito-group.com

ASIA

AGFA Materials Japan, Ltd
KAZUNOBU NAGASE

Osaki New City Bldg., No. 1,
5F,
1-6-1 Osaki, Shinagawa,
Tokyo, 141-0032
Japan
T +81(0)3 5487-8260
F +81(0)3 5487-8261
kazunobu.nagase@agfa.com

**AGFA Materials Taiwan Co,
Ltd**
ABRAHAM CHANG

3/F, 237 Sung Chiang Road
10483 Taipei,
Taiwan, R.O.C.
T+886 (0)2 6618 0269
F +886 (0)2 2505 5018
abraham.chang@agfa.com

i-Components Co., Ltd
INSUN KIM

903 KINS Tower,
25-1 Jeongja-dong,
Bundang-gu, Seongnam-di
Gyeonggi-do, 463-847
South Korea
T +82 (0)104 120 4383
F +82 (0)31 719 4318
ikim@i-components.co.kr

Last update : 07/11/2011

More information via: info.orgacon@agfa.com

NOTE: The information and recommendations in this publication are believed to be accurate and are offered in good faith but do not constitute specifications. Suggestions concerning uses and applications are only the opinion of Agfa-Gevaert N.V. and users should carry out their own testing procedures to confirm suitability for their purposes. Agfa-Gevaert N.V. MAKES NO WARRANTY OF ANY KIND AND EXCLUDES ANY STATUTORY WARRANTY EXPRESS OR IMPLIED other than that materials conform to their current applicable standard specification. Statements herein therefore should not be construed as guarantees of satisfactory quality or fitness for purpose. The responsibility of Agfa-Gevaert N.V. for claims arising out of breach of guarantee, negligence, strict liability or otherwise is limited to the purchase price of the material. Suggestions concerning working practices and procedures are based on the practices adopted by existing users of the products and are made in good faith. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT ALL RELEVANT HEALTH AND SAFETY LAWS AND REGULATIONS ARE COMPLIED WITH. Agfa-Gevaert N.V. does not provide any advice on such laws and regulations and accepts no responsibility, express or implied, for breach of such regulations. Statements concerning the use of products described herein should not be construed as recommending the infringement of any patent and no liability for infringement arising out of such use is assumed.

