



ORGACON™ aqueous pure conductive polymer dispersions

Agfa Materials genuine ICP1000 series offers the flexibility to formulate your own composition starting with pure PEDOT/PSS dispersion. Different performances are available depending on opto-electrical requirements. Agfa Materials can also assist and recommend best practices using almost 20 years of experience in producing and formulating PEDOT/PSS on large scale.

Typical Applications

Grade	Typical applications	SER @ 90% TR * (Ohm/square)
ICP 1010	Antistatic coating for optical films	380
ICP 1020	Antistatic coating for optical films	240
ICP 1050	ITO substitution, high-conductive coating	120

* Typical properties at 550 nm on PET with bar coater. Adding surfactant and Diethylene Glycol. Thermal cured at 130°C/6 min. TR = Transmittance, excludes substrate.

Properties

- Active chemical 1.1 - 1.3% wt. PEDOT/PSS
- Color blue
- pH 1.5 - 2.5
- Shelf life 12 months after fabrication date

Storage

- Store the product in sealed container between 4°C and 25°C

Health and Safety

- See Material Safety Data Sheet

Processing recommendations

- Optimal conductivity requires addition of 3-5 % wt. conductive enhancers (DEG, DMSO, ...)
- Add surfactant after dilution for adjusting surface energy
- Dilute with DI water or compatible solvent
- Pre-coated or pre-treated substrate with corona- or plasma treatment increase adhesion
- Contact us for more

EUROPE + USA

Agfa-Gevaert NV
Olivier Decroly
Global Sales Manager

Septestraat 27, B-2640 Mortsel
Belgium
T +32 (0)3 444 7924
F +32 (0)3 444 7662
olivier.decroly@agfa.com

Agfa Materials Corporation
RICHARD BREITLOW

1658 Bushy Park Rd
Goose Creek, SC 29445
USA
T +1 321 757 0687
richard.breitlow@agfa.com

ASIA

AGFA Materials Japan, Ltd
KOUJI SATOH

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
Kouji.satoh@agfa.com

AGFA Materials Taiwan Co, Ltd
FREDERICK WANG
Orgacon Country Manager

3/F, 237 Sung Chiang Road
10483 Taipei,
Taiwan, R.O.C.
T +886 (0)2-66180235
F +886 (0)2-2505 5018
frederick.wang@agfa.com

AGFA Industries KOREA, Ltd
Sunki Kwon

6F, Danam Building, 10,
Sowolro, Jung-Gu,
Seoul, 100-704
South Korea
T +82 2 2262 4231
F +82 2 2275 7187
sunki.kwon@agfa.com

Last update : 18/10/2018

Orgacon ICP 1050 is Also available at  **ALDRICH**
Materials Science

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.

