



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 and thermoformed sheets	380
ICP 1020	Antistatic coating for optical films and thermoformed sheets	240
ICP 1050	ITO substitution coating	120

* Typical properties at 550 nm on PET with bar coater. Adding surfactant and Diethylene Glycol. Thermal cured at 130°C/3 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 under storage conditions

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, 2-MP, ...)
- 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
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

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More information via: info.orgacon@agfa.com

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