



ORGAICON™ Transparent Conductive Inkjet Ink: IJ-1005

Orgacon inkjet inks are highly transparent conductive inks based on conductive polymer PEDOT/PSS. IJ-1005 was tested with different piezo inkjet platforms such as Microdrop, Dimatix DMP-2800, Spectra Galaxy 30

Typical Applications

- capacitive touch pads
- membrane switches
- smart packaging
- printed sensors
- OPV HIL

Physical Properties

- Solid content: 0.8 wt%
- Viscosity: 7 - 12 mPas
- Surface tension: 31 - 34 mN/m
- pH: 1.5 - 2.5
- Surface Resistance: 800 Ohm/square, 96% VLT excl. substrate (Dimatix DMP-2831 test)
- Shelf Life: 6 months in storage conditions

Storage

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

Health and Safety

- See Material Safety Data Sheet

Jetting Orgacon ink

- Degassing ink sample before use
- Filtering before use is not recommended due to possible air entrapment but can be performed with a syringe filter (0.2 µm) or glass fiber filter (0.4 µm)
- Contact us for more recommendations on a specific platform

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