



ORGAICON™ Aqueous S300 coatings

Orgacon S300 coatings are ready-to-use and made with conductive polymer PEDOT/PSS. Typical application processes are slot die, Meyer bar and gravure coating. They are particularly designed for optimal properties on PET and meet the requirements of several transparent electrodes applications as alternative to ITO.

Besides standard products, Agfa can deliver custom made formulations and processing knowledge to optimize your coating properties.

Typical Applications

Grade	Typical applications	SER @ 90% VLT * (Ohm/square)	Stability Ratio R/Ro 240hr@60°C/90%RH
S300	Antistatic coating, ITO substitution coating	430	-
S305	ITO substitution coating, HIL ITO-free OPV	180	1,3
S305plus	ITO substitution coating with enhanced stability	200	0,9

* Typical properties on PET with bar coater. Thermal cured at 130°C/3 min. VLT = Visual Light Transmission according to ASTM D 1003, excludes substrate.

Properties

- Active chemical 0.5 - 0.6% wt. PEDOT/PSS
- Color blue
- viscosity < 30 mPas
- pH 2 - 3.5
- Shelf life 12 months in 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

- Dilute with DI water or compatible solvent if needed
- Pre-treated substrate with corona- or plasma treatment increase adhesion
- Contact us for more

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