

Polyphotronics LED – Technical Data Sheet

Offset Ink Series

These next-generation LED inks are suitable for a wide variety of substrates, including coated and uncoated papers, BOPP, PE, PLA, and other synthetic films. They exhibit good press stability throughout the job, which improves throughput and reduces waste. Print quality is excellent, demonstrating good image clarity and dot sharpness.

Product Characteristics:

- Prints cleanly with reduced water settings
- Excellent transfer and release
- Versatile curing profile – suitable for mixed wavelength outputs (365/385 nm) or single wavelength (either 385 or 390 nm)
- Suitable for paper and plastic substrates
- Minimal dot gain and excellent dot structure

Properties:

- Tack range 14 – 17
- Coatable
- Good adhesion to treated plastics
- Stable emulsion profile
- Unitack and tack graded series available for 4CP
- All inks in this series can be made in fade resistant versions

Recommendations for Use:

- ✓ Decrease water settings on press for best results.
- ✓ Start out at lower ink film settings
- ✓ Ensure pH and conductivity are optimal (excessive pH and conductivity should be adjusted for best printability).

Storage Considerations:

Warranted for six months from date of purchase.

These inks should be stored in covered containers, at temperatures not exceeding 85 degrees F (29 degrees C).

Safety, Health, and Environmental:

Polyphotronics LED inks are to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information.

Please dispose of ink in accordance with local, state, and national regulations.



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The information contained in this data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Since the conditions of use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material.