
TECHNICAL DATA SHEET

21-804 FPC HIGH DENSITY BLACK

DESCRIPTION Food packaging compliant (FPC) UV flexo high density black ink suitable for non-direct food contact packaging applications as well as general label printing.

PROPERTIES

- ✓ High colour strength
- ✓ Excellent adhesion properties
- ✓ Printing speeds of 50-150 m/min (dependent on UV lamp power)
- ✓ Fast cure
- ✓ Excellent printability
- ✓ Formulated for non-direct food contact packaging applications

SUBSTRATES Suitable for a wide range of coated papers, films and label stocks including:

- ✓ Coated PE, PP, PVC, PET, and OPP
- ✓ Shrink films, typically* PVC, PET, PET-G, OPS

* Due to the diverse nature of shrink films, it is essential that each grade/application is tested thoroughly prior to commercial production.

The suitability of uncoated synthetic substrates such as PP should be tested before printing. The surface tension should be 38 dyne/cm or above. Corona treatment should be considered to improve the wetting and adhesion onto the substrate.

APPLICATION **Mix well before use.**

Anilox Selection:

120-180 l/cm (300-450 lpi) volume 3-6 cm³/m²

Minimum lamp power – 160 W/cm

Fully cured UV flexo inks will obtain resistance properties 24 hours after printing and are not suitable for direct thermal overprinting. Please be aware that the over curing of a product may lead to problems with thermal transfer overprinting.

Note: The risk of migration is increased if the inks are not fully cured.

Clean equipment immediately after use.

RESPONSIBILITY

This product has been formulated to comply with the regulations and guidelines for non-direct food contact packaging applications. However, it is the responsibility of the seller of the finished product to ensure all members of the packaging chain comply with recommended guidelines and regulatory requirements.

The risk of any contamination affecting food packaging applications should be assessed prior to use.

Please contact compliance@pulserl.com for more information.

STORAGE & HANDLING

Containers should be tightly closed immediately after use. All products, including uncontaminated press returns and unopened containers, should be stored at temperatures between 5°C and 25°C.

Shelf life is 12 months from date of manufacture (as indicated on the label).

HEALTH & SAFETY

Please refer to relevant SDS for information on labelling classifications, waste product and container disposal, and personal protection measures.

AUXILIARY PRODUCTS

Cleaner: RLA350 UV Wash

Note: The addition of auxiliary products to the FPC inks may have a negative effect on levels of migration.

FURTHER INFORMATION

For more information, please contact your local representative or email technical@pulserl.com.

DISCLAIMER

The information contained in this data sheet is correct to the best of our knowledge. It is intended as a guide only for the optimum use of the named product(s) and is not intended as a warranty or as a specification. The product(s) included in this datasheet may not be suitable for use with other materials or in processes other than those specifically described. The user(s) should always make their own tests to establish that the product(s) meets their specification and complies with any appropriate guidelines or regulatory requirements.