

P2814 UV-LITE S BLACK DLV



Printop™ P2814 UV-LITE S Black DLV is a black UV-curable screen printing ink formulated for printing on plastic surfaces, especially polystyrene.

HIGHLIGHTS

- /// Bright finish.
- /// Good adherence.
- /// Good resistance to scratching.

PRINTING TIPS

- /// For a power of 160-200 watts/in, the recommended energy doses are: 120-140 mJ/cm².
- /// If a wet film or loss of gloss is experienced due to under curing, it is usually the result of excessive ink deposit.
- /// Pre-Production:
 - Mix ink thoroughly before use.
 - Perform a pre-test to determine the best performance of the printing process under your working conditions.
- /// Regarding the substrate:
 - Similar substrates may vary between manufacturers and even between different batches, so it is recommended to test beforehand.
 - Make sure the substrate to be printed is clean.
- /// Post-Printing:
 - Perform this evaluation after the recommended time for full cure. Touch the surface of the print, the ink should feel dry.
- /// Scratch test: Scratch the surface of the printed film with the back of your index fingernail. Check for any peeling of the print.
Adhesion test: Apply a strip of 3M#550 clear self-adhesive tape, exerting moderate pressure on the printed area, avoiding the formation of air bubbles, folds or wrinkles. Remove the tape at a 180 degree angle. The printed film should not peel off.

COMPLIANCE

- /// It does not intentionally contain lead or other heavy metals.

PRECAUTIONS

- /// Always perform a complete test before mass production.

RECOMMENDED PARAMETERS



Substrates

Polystyrene, Self-adhesive vinyl, Acrylic, PVC.



Storage

Store in a cool, dry place at 15 to 35 °C, protected from light. Recommended shelf life: 9 months in sealed container.

2024, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.



Mesh

Count: 150 t/cm



Clean Up

Screen Cleaner 200



Squeegee

Durometer: 70-85 shore
Profile: Rectangle



Health & Safety

SDS: Contact your sales representative.



AVIENT
SPECIALTY
INKS

V1.20 (Modified: 22/04/2024)