PRODUCT INFORMATION BULLETIN

P2814 UV-LITE S BLACK DLV

PRINTOP

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.

COMPLIANCE

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

PRECAUTIONS

- Always perform a complete test before mass production.

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.

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.

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™ AVIENT SPECIALTY INKS

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