



GPG*L Series Universal Lamination ink

【Product description】

This series is an ester solvent based lamination ink for gravure reverse print. It is used for BOPP light packaging printing and lamination. It is also suitable for PP and PE extrusion lamination. This product is simple to use, high quality and low RS.

【Feature】

- ❖ Ester based solvent.
- ❖ Compatible with PP and PE extrusion lamination application.

【Suitable substrate】

Surface treated OPP/BOPP film (Surface tension 38 Dyne or above).

【Application】

Used on dry food product, cold cake or pastry and fast food packages.

【Printing viscosity】

Printing viscosity standard:

White – ZC3# 13-16 seconds

Colour – ZC3# 13-15 seconds

【Dilution】

Actual dilution ratio depends on printing condition, drying and printing speed requirements please see table below for reference:

Drying speed \ Solvent	Fast	Medium	Slow
Ethyl acetate	70	-	-
n-propyl acetate	30	100	70
Butyl acetate	-	-	30



【Colour code】

Colour	Product code	Colour	Product code
Black	GPG1188L	Blue	GPG1551L
White	GPG1210L	Green	GPG1632L
Yellow	GPG1321L	Orange	GPG1724L
Golden red	GPG1432L	Purple	GPG1843L
Pink	GPG1435L	Varnish	GPG1900L
Red	GPG1436L		

【Precaution】

- ❖ Shake well before use to ensure consistent flow.
- ❖ Please control process parameter carefully when using slow drying solvent, gold and silver ink, printing ribbon shape diagram in the same direction, blocking might occur.
- ❖ When applying water based adhesion on gold and silver ink, check the ink film surface tension is compatible with the process condition.
- ❖ When printing in high RH and small printing layout, ink might absorb excess moisture causing instability in viscosity, worse colour reproduction issue. Use slow drying solvent and increase drying temperature to solve the issue.
- ❖ Printing issue like streaking, re dissolve, doctor blade streaks is likely to be linked with ambient environment condition, viscosity, doctor blade angle, machine, solvent etc. Customers should consider the above factors before printing. If unsure please contact our technical department.
- ❖ For used ink please ensure the lid is sealed properly and use it before expiry date.
- ❖ Please assess the feasibility of extrusion lamination before production as it is affected by the actual process and raw material. If unsure please contact technical department.

【Disclaimer】

The data shown in this document is based on actual production and test result generated within our company. Above data is only for reference and does not bear any legal guarantee responsibilities. Whether actual ink performance can meet user's requirement depends on application conditions and substrate etc. We suggest that users should access whether current production conditions meet the application requirement of each product before printing. Since we cannot control the actual application and storage conditions, we cannot guarantee the final product performance. All product sales subject to our standard sales terms and conditions.

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