



ZAHRA CHEMICALS
Consistent Quality Solutions

Mono Star G

Mono Star G is a mono solvent based printing ink, designed for gravure printing on treated polyolefin films.

Mono Star G can also be used for lamination.

Mono Star G is based on high quality nitrocellulose and selected binders and available in white and wide range of colors.

Mono Star G has good printing properties when printing halftone as well as full tone.

Mono Star G series are free off any additives or fillers which affect Cylinders and Doctor Blade in case of Rotogravure printing machine.

Main characteristics:

- Highly transparent.
- Very good adhesion properties.
- Low solvent retention.
- Good printability.
- High water resistance.
- High gloss level.
- Suitable for lamination.

Recommend surface:

Most treated polyolefin films OPP, LDPE, LLDPE and cellophane

Reducer solvent:

Ethyl acetate.

Viscosity adjustment:

Viscosity should be measured after stirring the ink in the printing machine, printing viscosity is 15-17 sec/ ford cup 4 at 25 °C.

Information on processing:

1. **Mono Star G** inks may be used at press speed of 50 – 200 m/min using the appropriate reducer , a key temperature of 65 – 70 °C (web) is normally sufficient to achieve adhesion to heat sensitive polyolefin films and this temperature may be varied according to substrates , press speed and press conditions.
2. **Mono Star G** inks can be laminated and the bond strength depends on the type of substrate, the adhesive and application condition. To get the best result of lamination you should add 3% of Catalyst AD75. In case of surface printing you should add 3% of Anti-scratch100 and 3 % of Catalyst AD75 to the liquid ink before printing process.



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Storage:

Mono Star G may not be suited to extended exposure to direct sun light, and should be stored in tightly closed containers in doors at normal room temperature.
We recommend using **Mono Star G** Within one year of the manufacturing date which printed on the label.

Pack sizes:

Mono Star G is delivered in the following standard pack sizes:

- White colors 30 kg
- Other colors 25 kg

Cleaning:

The reducer solvent can be used for cleaning.

Technical customer service:

Zahra Chemicals offer customer service from our services laboratory including the development of complete solutions for various applications. Through our product specialists, we offer trouble shooting, color matching and problem solving.

Technical Specification:

property	Unit
Viscosity (ASTM D1200 Ford cup 4 at 25°C)	35 – 60 sec depend on the color
Density (ASTM D1475)	0.8 – 1.0 all colors
Fineness (ASTM D1210)	1.4 white color Off Gauge less than 3 µm
Light fastness (ASTM D3424-01)	5 – 8 depend on the color and the customer needs.
Adhesion (ASTM D3359-02)	100 %
Rub / Scratch(after 24 hr.)	Very good
Recommended surface	OPP , LDPE , LLDPE , Cellophane

for special requirements e.g. soap , alkali , acid and freeze resistance , light fastness.....etc

Please contact us.

*The above information is given in good faith. We cannot accept responsibility for any operation not under our control.
New applications and end uses should always be checked with Zahra Chemical technical personnel.
Zahra Chemical does not warrant that use of any of its products is appropriate for all applications.*