Midacure® 42522 Series

Dry Offset Inks for Plastics

Midacure® 42522 Series Dry Offset Inks are designed for printing on plastic pails, cups, containers and tubes. The benefits include good adhesion and scratch resistance, high color strength and high gloss. The series is formulated to meet the demands of today's Dry Offset Printing environment and will yield trouble-free performance at a truly exceptional value. The ***Midacure® 42522 Series*** is designed for high scratch and scuff resistance on plastic containers and lids without the use of an overprint coating.

Features

- High Gloss
- Low Misting
- High Cure Speeds
- Free Flow Rheology
- Dense Pigmentation
- Free Radical Chemistry
- Excellent adhesion to HDPE, PP, PETE, and other substrates

Applications

- Plastic Cups, Lids, Pails and other Containers, Tubes.

*Substrates**

- High Density Polyethylene (HDPE)
- Polypropylene (PP)
- Polystyrene (PS)

* Proper testing recommended prior to selecting substrates.

Advantage

- Custom ink solutions for your specialized needs.
- Environmentally friendly systems with less than 1% VOC's.
- Color Management System capabilities compatible with PANTONE®
- Technical support available to implement developmental projects giving you the competitive edge.
- MiDAD technical consultants can make recommendations to assure compatibility with the products you use.

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Process Colors

The ***Midacure® 42522 Series*** provides excellent trapping through transparent dense colors and vivid contrast is achieved with minimal contamination. Dot gains are low even in areas where traditional print slurring occurs. We recommend printing Process colors in the following sequence: Process Yellow, Process Magenta, Process Cyan and Process Black. See your sales representative for tack rating information.

PANTONE® Colors

PANTONE® shades can be mixed by the customer from the ***Midacure® 42522 Series*** base lines. Formulation guides for PANTONE® shades based upon the ***Midacure® 42522 Series*** are available.

Printing Tips

- We recommend pre-testing and qualification of colors to determine suitability to substrate and printing conditions.
- If fade resistance is required, please consult your sales representative for recommendations.
- Product resistance must be pre-tested to ascertain suitability of application.
- Products are not recommended for direct food applications.

Recommended Curing

- Curing lamp type: Medium pressure mercury vapor
- Lamp power rating: 300 – 1350 watts per inch

PROCESS INKS

Description	Product Code	**Blue Wool Fade	*Viscosity (sec)
Process Magenta	DOUV-100/4252201	4	400
Warm red	DOUV-101/4252214	4	200
Orange	DOUV-200/4252202	4	270
Process Yellow	DOUV-300/4252203	4	230
Green	DOUV-400/4252204	8	230
Process Cyan	DOUV-500/4252205	8	240
Reflex Blue	DOUV-600/4252206	7	230
Violet	DOUV-700/4252207	3	230
Purple	DOUV-775/4252209	7	230
Rhodamine	DOUV-750/4252208	7	240
Process Black	DOUV-800/42524210	8	220
Opaque White	DOUV-900/4252211	N/A	350
Transparent White	DOUV-051/4252217	N/A	230
Silver	DOUV-975/4252213	-	350
Gold	DOUV-9504252212	-	300

*Viscosity (sec) by Laray viscometer @ 25° C

**Blue Wool Fade range 1 thro.ugh 8 where 8 is the best light fastness value