



75/76 Series

Low Migration Dry Offset
Printing of Plastics



Zeller+Gmelin
P r i n t i n g I n k s



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Low Migration UV Ink Systems for Printing of Food Packaging

The production of truly safe food packaging requires the right choice of printing ink and coating system. Based on our latest developments, Zeller+Gmelin presents the most advanced Low Migration UV Dry Offset printing inks for food packaging in the global printing market segment.

The 75/76 Series is a premium high performance UV Dry Offset system designed to meet the constantly evolving demands of today's high-speed Dry Offset Printing machines. When used in the proper printing environment, these new products provide a low migration potential capable of exceeding the most rigorous safety standards found in today's marketplace. These products establish themselves not only in terms of their Low Migration capabilities but also because of their excellent printability and cured physical properties (scuff resistance, adhesion, and cure).

Selected Applications

75 Series (Overprintable)

The 75 Series are formulated for printing on containers such as tubes that will be overprinted with low migration gloss or matte varnishes.

76 Series (Non - Overprintable)

- Plastic cups
- Lids
- Pails
- Buckets
- Yogurt and other Dairy containers

Features

- Low odor
- High speeds with low misting
- Excellent adhesion
- Formulated for Low Migration
- High press stability
- Vibrant colors

The Zeller+Gmelin Advantage

- Localized branch service centers for technical, logistical and Color Management support, with rapid response and delivery options.
- 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.
- Highly specialized UV ink experts with unparalleled experience within the industry.
- Formula guides available for blending on site.
- Zeller+Gmelin technical consultants can make recommendations to assure compatibility with the products you use.

Low Migration Colors

The 75/76 Series provide excellent trapping through transparent dense colors. Strong contrast is achieved while contamination is minimized. Low dot gains can be achieved even in areas where traditional print slurring occurs. Blend colors can easily be tack rated on request to print in a typical light- to- dark sequence. PANTONE® shades can be mixed by the customer from the Zeller+Gmelin base lines. Formulation guides for PANTONE® shades based upon the 75/76 Series are available upon request.

Substrates*

- Polyethylene (HDPE & LDPE)
- Polyethylene Terephthalate (PET, APET)
- Acrylonitrile-Butadiene Styrene Copolymer (ABS)
- Polystyrene (PS)
- Polyvinyl Chloride (PVC)
- Suitable for injection or thermoformed plastic containers
- Polypropylene (PP)

** Proper testing recommended prior to selecting substrates.*

Low Migration

The 75/76 Series product lines are formulated for use on the non-food contact surface of food packaging containers. When 75/76 Series inks are printed and cured properly they can meet the <10ppb migration limit as specified under EU food packaging regulations.

75/76 Series products meet the Swiss Regulation SR 817.023.21 Permitted Substances for Packaging Inks.

Recommended Curing

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

Our Commitment

Zeller + Gmelin's commitment and focus to UV development, technology, training, manufacturing, quality, environment, and its processes have been ongoing since 1970. Our expertise and experience enhances our global reputation as second to none. National and International, mutually beneficial partnerships and relationships have been built through integrity, cooperation, confidence and trust.

Proactive industry involvement enables Zeller+Gmelin Corporation to recognize, identify and analyze market requirements and trends. Instrumental and important new technologies are constantly pursued and developed to ensure the products we offer provide the viable competitive edge essential to excelling in today's ever-changing environment.

Today, through commitment, performance and growth, Zeller+Gmelin Corporation products are utilized in over 75 countries – "Putting Color into the World."

75 Series Product Description	Product Code
LM Ultra Opaque White	7506
LM Ultra Dense Black	7507
LM Yellow	7510
LM Warm Red	7520
LM Rubine Red	7530
LM Rhodamine Red	7540
LM Purple	7550
LM Violet	7555
LM Reflex Blue	7560
LM Process Blue	7570
LM Green	7580
LM Mixing Black	7590
LM Transparent White	7595
LM 012 Yellow	75012
LM 021 Orange	75021
LM 032 Red	75032
LM 072 Blue	75072

76 Series Product Description	Product Code
LM Ultra Opaque White	7606
LM Ultra Dense Black	7607
LM Yellow	7610
LM Warm Red	7620
LM Rubine Red	7630
LM Rhodamine Red	7640
LM Purple	7650
LM Violet	7655
LM Reflex Blue	7660
LM Process Blue	7670
LM Green	7680
LM Mixing Black	7690
LM Transparent White	7695
LM 012 Yellow	76012
LM 021 Orange	76021
LM 032 Red	76032
LM 072 Blue	78072

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