



77/78 Series

Enhanced Dry Offset Printing of Plastics



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



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Green & Clean...The new 77/78 SERIES Dry Offset inks are enhanced to achieve the highest press speeds with minimal power usage, producing a more energy efficient product than ever before. The 77/78 SERIES have also been enhanced with lower odor and extractables. The 77/78 SERIES provide improved adhesion on most container substrates and the chemical, water and scratch resistance properties have been substantially upgraded.

The 77/78 SERIES is a premium high performance UV Dry Offset system formulated to meet the demands of today's high-speed Dry Offset Printing environments. We recommend these products for all dry offset printing applications, particularly where high speed, excellent adhesion, low misting, intense color shade, low dot-gain and excellent print graphics are desired.

Features

- Low odor
- High speeds with low misting
- Enhanced adhesion
- Benzophenone free
- High intensity pigmentation
- Free radical chemistry
- High press stability
- Optimum transparency/high gloss
- Excellent through cure

Selected Applications

77 SERIES (Non - Overprintable)

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

78 SERIES (Overprintable)

The 78 SERIES are formulated for printing on containers such as tubes that will be overprinted with gloss or matte varnishes.

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.

The Zeller+Gmelin Advantage

- Localized branch service centers for technical, logistical support and rapid delivery options.
- Custom ink solutions to meet specialized needs.
- Environmentally friendly with less than 1% VOC's.
- Compatible with the PANTONE® blending system.
- Technical team members 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 of the products you use.

Process Colors

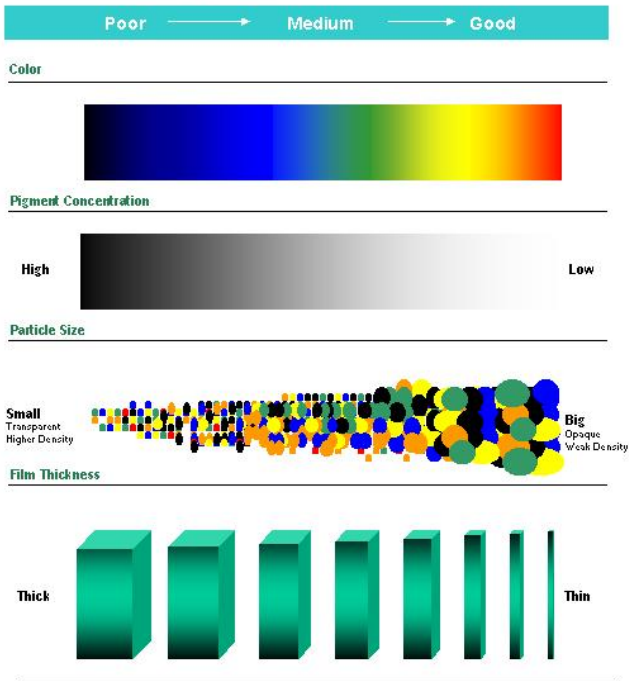
The 77/78 SERIES provide excellent trapping through transparent dense colors. Excellent contrast is achieved while contamination is minimal. Dot gains are low even in areas where traditional print slurring occurs. Process colors are tack and strength formulated to print in the following light- to- dark sequence: Process Yellow, Process Rubine, Process Blue and Process Black.

PANTONE® Colors

PANTONE® shades can be mixed by the customer from the Zeller+Gmelin base lines. Formulation guides for PANTONE® shades based upon the 77/78 SERIES are available.

In accordance with current FDA regulations, the 77/78 SERIES of inks are fully capable of meeting all applicable safety requirements for incidental food contact applications.

Ink Factors Influencing UV Cure



Recommended Curing

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

Our Commitment

Our 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."

77 SERIES Product Description	Product Code
Ultra Opaque White	7706
Ultra Dense Black	7707
Yellow	7710
Yellow F/R	7711
Warm Red	7720
Warm Red F/R	7721
Rubine Red	7730
Rubine Red F/R	7731
Rhodamine Red	7740
Rhodamine Red F/R	7741
Purple	7750
Purple F/R	7751
Violet	7755
Reflex Blue	7760
Process Blue	7770
Green	7780
Mixing Black	7790
Transparent White	7795
012 Yellow	77012
021 Orange	77021
032 Red	77032
072 Blue	77072
78 SERIES Product Description	Product Code
Ultra Opaque White	7806
Ultra Dense Black	7807
Yellow	7810
Yellow F/R	7811
Warm Red	7820
Warm Red F/R	7821
Rubine Red	7830
Rubine Red F/R	7831
Rhodamine Red	7840
Rhodamine Red F/R	7841
Purple	7850
Purple F/R	7851
Violet	7855
Reflex Blue	7860
Process Blue	7870
Green	7880
Mixing Black	7890
Transparent White	7895
012 Yellow	78012
021 Orange	78021
032 Red	78032
072 Blue	78072

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