



ZELLER+GMELIN

77/78 SERIES

Enhanced Dry Offset Printing of Plastics

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.

Disclaimer: Effective 12/31/2022 or before, all products within the 77 & 78 series are free of any components covered by PFAS regulations.

www.zeller-gmelin.us



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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.

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."

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EXPERTLY DONE.