



1580/1860 Inks

V4231

Description

V4231 is a black MEK ink qualified for use in the 1580 and 1860 continuous inkjet (CIJ) printers. This ink is ideal for use in high-speed applications for a wide variety of substrates, such as biaxially oriented polypropylene (BOPP), high and low density polyethylene (HDPE and LDPE), and polyethylene (PE), often found in flexible food packaging. Patented formula!

Benefits

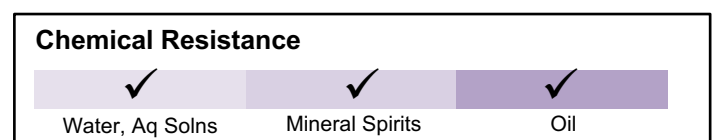
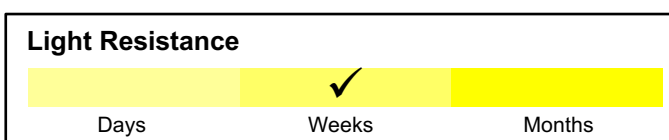
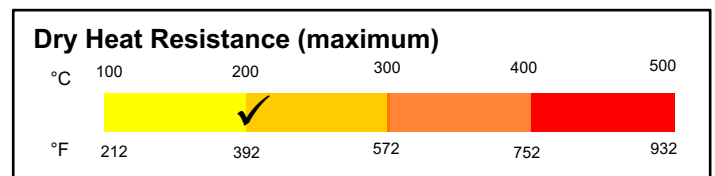
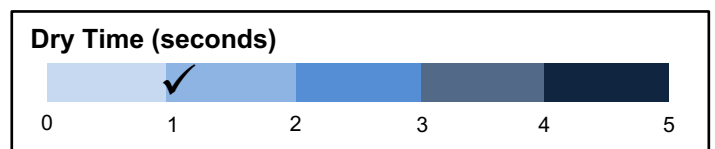
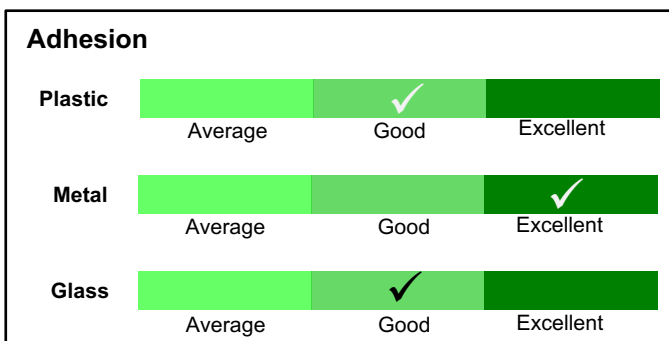
- iQMark™ food packaging ink offering:
 - Compliant with Swiss Food Packaging Ordinance Exclusion List
 - No European Printing Ink Association (EuPIA) Exclusion List materials
 - No CMR's (Carcinogens, Mutagens, Reproductive Toxins)
- Scratch and rub resistance on LDPE flexible packaging
- Resistant to acids, bases, mineral spirits, and oils
- Slight gasoline resistance
- Penetrates thin layer of oil coating on plastic and metal

Applications

V4231 ink is used for coding and marking flexible food packages, such as: BOPP, LDPE containers, and clear heat shrinkable overwraps. These materials have high aesthetic appeal and are displacing many clay-coated, paper, glass, and metal containers as the preferred method of food and tobacco packaging.

This ink delivers excellent adhesion to a wide variety of substrates including: acrylonitrile butadiene styrene (ABS), aluminum, low density polyethylene (LDPE), polystyrene, polyvinylchloride (PVC), polycarbonate, polyester, steel, and nylon.

No MEK/Low VOC (V930) and no Drug Precursor (V940) cleaners are available.



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Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4231	Ink	Black	MEK	750 ml (-D) 1000 ml (-L)	12 months*
V7206	Make-up	Colorless to pale yellow	MEK	750 ml (-D) 1000 ml (-L)	24 months*
V901	Cleaner	Colorless to pale yellow	MEK	1 liter (-Q)	30 months*
V930	Cleaner	Colorless to pale yellow	Acetone/Ethanol	1 liter (-Q)	30 months*
V940	Cleaner	Colorless to pale yellow	Ethyl Acetate	1 liter (-Q)	30 months*

Storage

*Store between 2°C and 35°C.

Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Nozzle Compatibility
1580, 1860	0-50°C	10-90%	60µm, 70µm

Certifications and Approvals –

iQMark™: V4231 ink was responsibly designed and manufactured to maximize contrast, adhesion, and uptime while meeting safety, environmental, and regulatory requirements. Every batch is tested to ensure it meets strict quality control specifications.

Heavy Metals: V4231 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.**

RoHS/WEEE: V4231 ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For more information, refer to Knowledge Article 1159.**

REACH: V4231 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.**

Food Packaging: V4231 ink may be used on the non-food contact side of food packaging. The packaging must provide a barrier between the ink and the food. When used in this manner, the inks are in compliance per 21 CFR 170.3(e)(1), Regulation (EC) No. 10/2011, Regulation (EC) No. 2023/2006, Swiss Food Contact Ordinances SR817.0, SR817.02 and SR817.023.21, and European Printing Ink Association (EuPIA) Exclusion List. For more information, refer to Knowledge Article 7921.**

Other: V4231 ink does not contain major allergens, animal based raw materials, nor organisms, genetically modified or not. For more information refer to Knowledge Articles 1148, 1190, and 1152.**

**Environmental, Health, Safety, and Regulatory information can change without notice, consult the current Safety Data Sheet (SDS) which is available on the Videojet website. Knowledge Articles are available by calling or emailing Videojet.

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