



1580/1860 Inks

V4237

Description

V4237 is a retort-resistant black MEK ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This ink has been specifically designed for code durability through tough high temperature steam retort and pasteurization processes used in the process of cooking prepared food containers for shelf stability.

Benefits

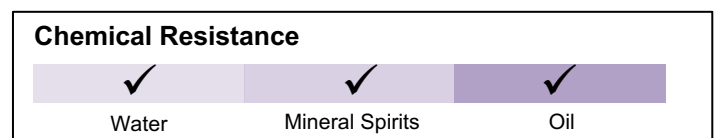
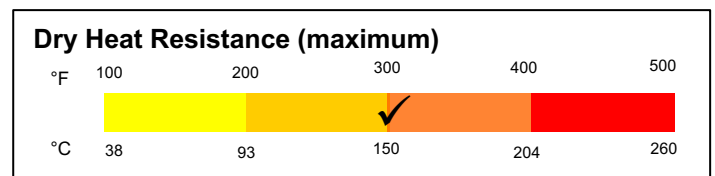
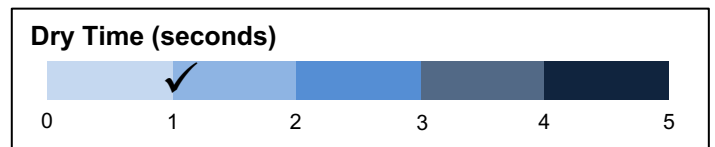
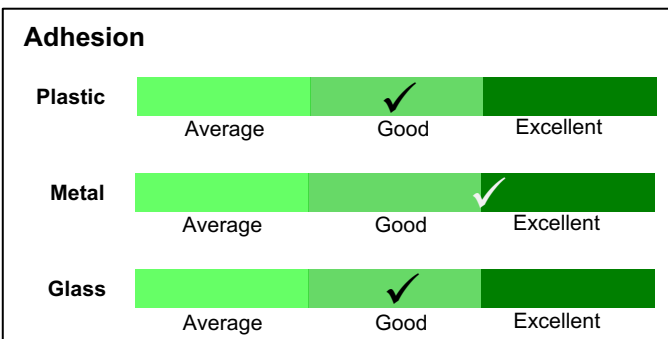
- High temperature steam retort resistance
- Pasteurization resistant
- Penetrates thin layer of oil
- Resistant to bases, Mil Spec Solvent C, mineral spirits, and oils
- No European Printing Ink Association (EuPIA) Exclusion List materials
- No CMR's (Carcinogens, Mutagens, Reproductive Toxins)

Applications

This ink is used for coding and marking metal cans and plastic/foil pouches with food that require a retort process including: vegetables, fruit, soup, sauces, baby food, meat/fish, and ready-to-eat meals. During the cooking process, containers can get stacked, causing codes to come in contact with other containers. During those situations, this ink is transfer-resistant.

V4237 delivers excellent adhesion to a wide variety of other substrates including: acrylonitrile butadiene styrene (ABS), 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 |
|---------|--------------|--------------------------|-----------------|-----------------------------|------------|
| V4237 | Ink | Black | MEK | 750 ml (-D) 1000 ml (-L) | 12 months* |
| V7208 | 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 | 5-45°C | 10-90% | 60µm, 70µm |

Certifications and Approvals

iQMark™: V4237 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: V4237 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.**

RoHS/WEEE: V4237 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: V4237 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.**

Halogens: V4237 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.**

Food Packaging: V4237 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, and Regulation (EC) No. 2023/2006. For more information, refer to Knowledge Article 7921.**

Other: V4237 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.

Order supplies shop.videojet.com

Call **800-843-3610**

Email info@videojet.com

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