



Continuous Inkjet Inks

V4271

Description

V4271 is a thermochromic MEK/ethanol based dark red ink qualified for use in Videojet continuous inkjet (CIJ) printers. This ink is ideal for use in high-speed food canning applications where retort evidence is desired. It is specially designed to change color from **DARK RED** to **PINK** when cooked with steam at high temperatures.

Benefits

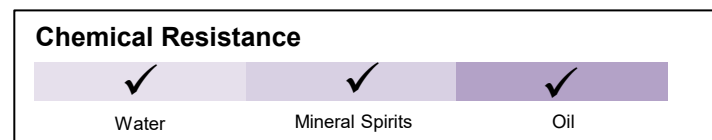
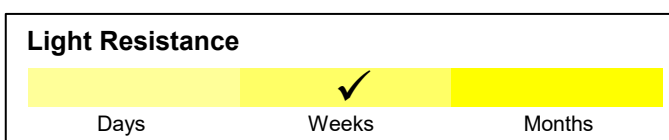
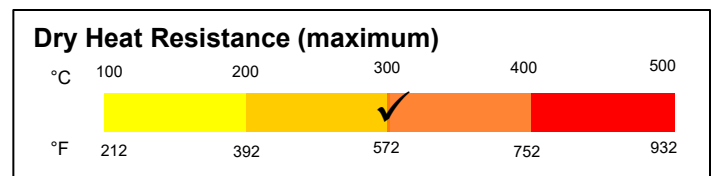
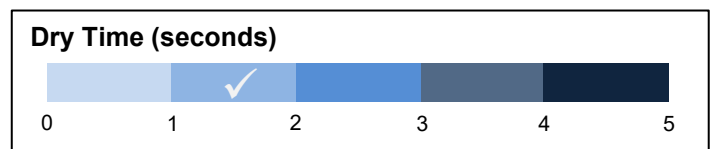
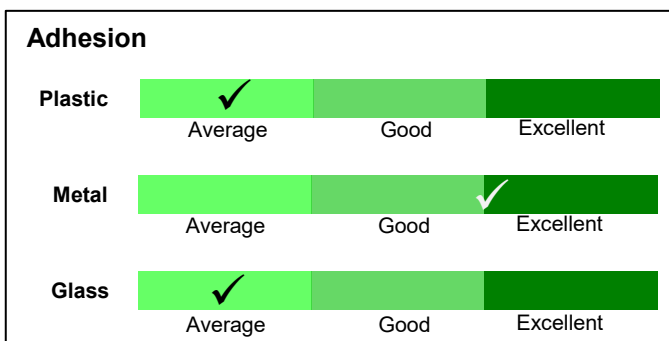
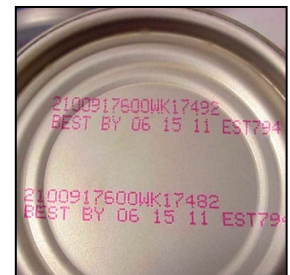
- Resistant to acids, bases, mineral spirits, and oils
- Changes color during steam cooking processes; 115 – 130 °C for 20 – 30 minutes, indicating the container was processed
- Ideal successor to V471, 16-8100, 16-8620, 16-8630, 16-8670, and 201-0001-666.

Applications

This ink is used for coding and marking food containers prior to the retort processes, which is used to preserve vegetables, beans, fruit, soup, sauces, baby food, meat/fish, ready-to-eat meals and pet food.

V4271 ink delivers excellent adhesion on acrylonitrile butadiene styrene (ABS) and polystyrene.

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
V4271	Ink	Dark Red	MEK/Ethanol	750 ml (-D) 1000 ml (-L)	12 months*
V7216	Make-up	Colorless to pale yellow	MEK/Ethanol	750 ml (-D) 1000 ml (-L)	24 months*
V905	Cleaner	Colorless to pale yellow	MEK/Ethanol	1 liter (-Q)	30 months*
V930	Low VOC Cleaner	Colorless to pale yellow	Acetone/Ethanol	1 liter (-Q)	30 months*
V940	No Drug Precursor 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, 1880	5-45°C	10-90%	60µm, 70µm

Certifications and Approvals –

iQMark™: V4271 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. V4271 ink does not contain phthalates, polycyclic aromatic hydrocarbons, organotin compounds, halogenated hydrocarbons, photoinitiators, bisphenol A (BPA), major allergens, animal based raw materials, nor organisms, genetically modified or not. For more information refer to Knowledge Articles 1148, 1190, and 1152.**

Food Packaging: V4271 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, and European Printing Ink Association (EuPIA) exclusion list. For more information, refer to Knowledge Article 7921.**

Heavy Metals: V4271 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.**

RoHS: V4271 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: V4271 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.**

Halogens: V4271 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.**

**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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