



1580/1860 Inks

V4238

Description

V4238 is a heat-curable black MEK/methanol ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This high-performance ink has been specifically designed for coding and marking applications in the automotive and aerospace markets. It has excellent abrasion and solvent resistance when heat cured, meeting Mil-Spec 202G, Method 215K durability requirements.

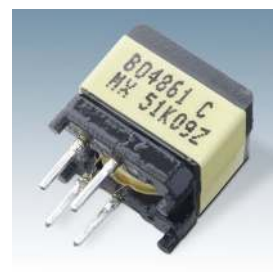
Benefits

- Resistant to acids, bases, Mil Spec Solvent C, mineral spirits, and oils
- Retort resistant
- Heat curing at 175 °C (350 °F) for 30 minutes achieves durability, including:
 - Resistance to Mil-Spec 202G, Method 215K solvents
 - Resistance to many other solvents, including: acetone, MEK, transmission fluid, gasoline, diesel fuel, ethanol, isopropanol (IPA), and others
 - Rub, scratch, tape, and transfer resistance

Applications

This ink is used for coding and marking metal parts which go through a heat curing process after printing and require a permanent code. It is also used for coding cans that require retort and transfer resistance.

V4238 delivers excellent adhesion to a wide variety of substrates including: acrylonitrile butadiene styrene (ABS), aluminum, glass, polystyrene, polycarbonate, polyester, steel, and nylon.



Adhesion



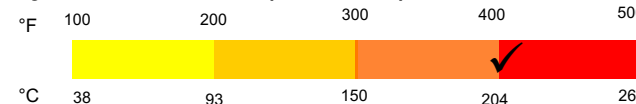
Light Resistance



Dry Time (seconds)



Dry Heat Resistance (maximum)



Chemical Resistance



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Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4238	Ink	Black	MEK/methanol	750 ml (-D) 1000 ml (-L)	12 months*
V7204	Make-up	Colorless to pale yellow	MEK/methanol	750 ml (-D) 1000 ml (-L)	24 months*
V912	Cleaner	Colorless to pale yellow	MEK/methanol	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

Special Operating Requirements **Air Drier Kit Mandatory – all conditions

Certifications and Approvals –

iQMark™: V4238 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: V4238 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.***

RoHS/WEEE: V4238 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: V4238 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.***

Halogens: V4238 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.***

Food Packaging: V4238 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: V4238 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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