



Large Character Marking Inks

M533

Description

M533 is a dark black, mineral oil-free ink qualified for use in Videojet large character marking (LCM) printers. LCM inks are used to print variable information such as bar codes, dates, ingredients, logos, and graphics. These inks deliver high-resolution codes and are specifically designed for printing on porous materials such as corrugated boxes, cases, paper, paper board cartons, and wood substrates.

Benefits

- iQMark™ Mineral Oil-Free (MOF) ink offering:
 - Low odor, MOF, formulation
 - No CMRs (carcinogens, mutagens, reproductive toxins)
 - Non-hazardous
- High-resolution (180 dpi) print quality
- Excellent bar code readability
- Excellent contrast stability
- Excellent smudge and scuff resistance
- Direct printing to eliminate the need for labels

Applications

M533 ink is ideal for delivering high-resolution print for a preprinted look on generic cartons. This can be used to differentiate product grades, quality, or channel. It can also increase brand recognition, customer preference, and loyalty by adding other variable information and points of differentiation.

A variety of colors are available and can be combined to produce multi-colored images to differentiate brands, add a seasonal message, coupon, QR code, or other call to action.



Light Resistance



Chemical Resistance



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Specifications					
Product	Product Type	Color	Solvent Type*	Container Size	Shelf life**
M533-K	Ink	Dark Black	Mineral Oil Free (MOF) Isopropyl Laurate	365 ml	18 months
M930-K	Flush Cleaner	Colorless to pale yellow	Mineral Oil Free (MOF) Isopropyl Laurate	365 ml	24 months
M921-L	Maintenance Cleaner	Colorless to pale yellow	Mineral Oil	500 ml	30 months
*Solvents can be derived from natural or synthetic sources, refer to Knowledge Article 17731 for more information. **Store between 0°C and 40°C.					

Printer Parameters		
Qualified Models	Operating Temperature	Operating Humidity
2351, 2361 serial number 21214009DWD or later	10-35°C	10-90%

Certifications and Approvals

iQMark™: High Resolution LCM inks are 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: High Resolution LCM inks meet the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.***

RoHS/WEEE: High Resolution LCM inks meet the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For more information, refer to Knowledge Article 1159.***

REACH: High Resolution LCM inks are in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.***

Halogens: High Resolution LCM inks meet the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.***

Food Packaging: High Resolution LCM inks 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.***

GS1: High Resolution LCM inks meet GS1 standards. For more information, refer to Knowledge Article 1743.***

Other: High Resolution LCM inks do not contain major allergens, animal based raw materials, 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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