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**PRODUCT INFORMATION**

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## **BoFood® MH Next Generation**

BoFood® MH Next Generation is an offset ink series specially designed for safe printing on the non-food side of primary food packaging. It complies with the relevant guidelines of the European Printing Ink Association (EuPIA). Only specially selected raw materials are used in the formulation. No mineral oil components (MOSH and MOAH) are used as constitutional ingredients.

In addition, no volatile ingredients are used that could cause certain plastic films to swell ("swelling").

BoFood® MH Next Generation inks can be processed like normal offset inks for food packaging printing. The demand for low odor requires non-oxidative drying binders, which do not meet the usual requirements for rub resistance. For this reason, dispersion coating of all printing work with BoFood® MH Next Generation is absolutely essential.

When used as intended and in compliance with good manufacturing practice (GMP), the inks can comply with both the total migration limit (< 60 ppm) and the specific migration limits.

The entire manufacturing process as well as the incoming and outgoing goods inspections are subject to the strict requirements of GMP Regulation (EC) No. 2023/2006. The basic suitability of printing with BoFood® MH Next Generation inks with regard to conformity with Regulation (EC) No. 1935/2004 has been tested and confirmed by an independent institute.

## PROPERTIES

The ink series complies with ISO 2846-1 and enables print products to be produced in accordance with ISO 12647-2.

Low odor:	yes
Low swelling:	yes
Migration harmless:	yes
Mineral oil free:	yes
Setting:	yes
Primary food packaging:	suitable
Dispersion coating:	necessary

## FASTNESSES

	Item no.	Light	Transp.	Spirit	Nitro	Alcali
BoFood® MH Next Generation Y	107385	5	+	+	+	+
BoFood® MH Next Generation M	107386	5	+	+	+	-
BoFood® MH Next Generation C	107387	8	+	+	+	+
BoFood® MH Next Generation K	107388	8	-	+	+	+

### Heat resistant:

BoFood® MH Next Generation Y	105395	6	+	+	+	+
BoFood® MH Next Generation M	105396	6	+	+	+	+

### Higher lightfastness:

BoFood® MH Next Generation Y	133355	6-7	+	+	-	+
BoFood® MH Next Generation M	133356	6	+	+	-	+

**+ property given**

**- property not given**

### Highly concentrated monopigmented mixing system

For the number of spot colors required in the packaging sector, there is a highly concentrated monopigmented mixed color system with 15 basic colors.

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## COATING

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For the overcoating of BoFood® MH Next Generation inks, we recommend the following products from the Finishfit® range:

- Finishfit® WBC Gloss FCM 1860
- Finishfit® WBC Silk Matt FCM 2130
- Finishfit® WBC Matt FCM 2128

Please refer to the respective product information.

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## STORAGE

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- Protect from frost, heat and direct sunlight
- Store only in original packaging units at 10 – 30 °C (50 – 86 °F)
- Unopened and correctly stored, BoFood® MH Next Generation inks have a shelf life of 12 months from date of delivery.

Note: This technical description is intended to inform and advise you. It corresponds to our current state of knowledge. However, since the specific application depends on a number of factors over which we have no influence, no guarantee and liability for the pressure failure can be derived.