

Technical Data Sheet
Low Migration Sheetfed Offset Ink
Bio® 8775 Series

Universal low migration ink series for lithographic applications

Egital inks has developed this universal low migration series for lithographic applications to produce a useful fast-setting series. Bio 8775 is a low-odour and low-migration special process series which has been developed specially for sensitive food and semi-luxury food applications, where there is no direct contact between the printed image and the contents of the package

This series is in line with GMP 2023/2006 standard.

Properties:

1. High speed printing
2. Standard-setting
3. High versatility
4. Low-migration and low-odour
5. High color strength
6. Low swelling
7. Good performance in the stack
8. Suited for printing work corresponding to ISO 12647-2.

The series complies with the requirements for printing inks for food packaging (according to Swiss Ordinance for low migration inks).

Technical Properties:

		Fastness Properties				Printing Properties				
		Light Fastness	Nitro	Alcohol	Alkali	Dot Gain	Gloss	Setting	Oxidative drying	Rub Resistance
Yellow	1GI-8775-0001	5	+	+	+	6	5	4	-	+
Magenta	1RS-8775-0001	5	+	-	+	<p>The assessment of the color properties was made under standardized printing conditions. In individual cases, under special conditions, as in printing with very high ink densities, the classification of certain properties may be different.</p>				
Cyan	1BL-8775-0001	8	+	+	+					
Black	1NE-8775-0001	8	-	+	-					
		Light fastness properties according to ISO 12040: from 1 (low) to 8 (high)								

Printing Instructions:

Product	Sheetfed Offset Printing Ink	
Characteristic	Good press stability, high gloss, excellent rub resistance, minimum dot gain. Drying doesn't cause lowering level of press density. Waiting time before printing is in general the same that other standard ink, depending on the quality of support and specific conditions could be tested. Please contact us for further technical collaboration in printing.	
Application	Bio 8775 series is semi fresh: good properties at normal pressroom temperature for 16-24 hours.	
Diluent	Max 3% Special Egital Solvent 101	
Cleaning	Egital Wash, keep dry to avoid contamination	
Storage	Take away from heating source Shelf Life: 36 months in unopened containers	
	Fount solution should be added slowly in particular when ink has low covering effects. Concentration of isopropanol should be less than 10% with the PH about 5-5.5.	
Typical physical constant	Aspect Viscosity Specific Gloss Level Drying Time Substrates Color	Viscous liquid 250 - 350 Poise 1.1±0.1 g/cm ³ Semi-gloss finish Standard-drying, no drying agents added Compatible with a wide range of substrates including coated, uncoated papers & cardboard Available in a range of food-safe colors (CMYK and Pantone)

