

ILLUMINA UV Flexographic Inks

ILLUMINA UV Flexographic inks have been formulated with suitability on all substrates as of paramount importance. **ILLUMINA** CMYK inks reflect the dynamic printing environment in narrow web seen its press performance by furnishing outstanding printing results. In addition, **ILLUMINA** CMYK inks are low migration inks that are suitable for use in indirect food packaging.

FEATURES

- Universal use in narrow web
- High density inks
- High gloss inks
- Excellent rheology
- Improved ink transfer
- Reduced dot gain
- Minimal plate swell
- Excellent rub resistance
- Color reproductibility: DE<2.0
- High adhesion on flexible substrates
- High curing speed
- Suitable for food indirect packaging

LOW MIGRATION EXCLUSION LIST

- 1-Hydroxycyclohexylphenylketone
- 2,2-Dimethoxy-phenylacetophenone
- 2,4-Diethyl-9H-thioxanthene-9-one
- 2-Hydroxy-2-methylpropiophenone
- 2-Methyl-4-(methylthio)-2-morpholinopropiophenone
- 4-Benzoylbiphenol
- 4-Hydroxybenzophenone
- 4-Methylbenzophenone
- Diphenyl-(2,4,6-trimethylbenzoyl)-phosphinioxid
- Benzophenone
- Isopropylthioxanthone

FASTNESS

Process Colors	Code	Light	Alkali	Alcohol	Acid	Soap
Magenta	2002	4	3	3	3	2
Yellow	2004	5	4	4	4	3
Cyan	2006	8	5	4	5	5
Black	2008	7	5	5	5	5

Lightfastness as per ISO 12040 (1: poor ~ 8:excellent)

Resistance as per ISO 2836 (1: poor ~ 5:excellent)

SUBSTRATES

Self-adhesive labels and plastic substrates:

- Papers: coated, uncoated & cast coated
- Corona pretreated PE, PP
- Top coated PE, PP
- Pretreated PET
- PVC
- BOPP

It is recommended to perform a suitability test before printing.

Shelf life is at least one year if properly stored in a cool, dark place away from heat and light; below 20°C.



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