

## IPICURE PB 900

### Offset sheet-fed UV inks for Paper and Carton Board

IPICURE PB 900 series is the new standard series formulated and developed for printing on absorbent substrates such as paper and carton board stocks. Thanks to their good color intensity and pigments concentration the Process Set result basically suited for those applications where printing performance and costs efficiency are required. IPICURE PB 900 is suggested for sheet-fed offset, rotary label on narrow web offset and letterpress printing press equipped with mercury lamp curing unit.

### Properties

We recommend the **IPICURE PB 900** process set for standard applications with the following properties:

- Good ink / water balance
- Fast curing
- Good gloss
- Low dot gain
- Good transfer and printing consistency
- ITX free.
- Good mechanical resistance.
- Wide latitude of fountain solution tolerance
- Suitable for laser printers, hot-foil and cold-foil stamping (test is required)
- Color shades in accordance with ISO 2846-1 and ISO 12647-2

### Substrates

The IPICURE PB 900 UV process set is mainly suitable for:

- Coated and uncoated papers and cardboard stocks.
- Top-coated grades of laminated board

In case peculiar substrates or specific adhesion performance are required, we recommend that proper and specific tests were carried out before printing run.

### Applications

Considering the good mechanical resistance of the cured ink layers, on coated papers no varnish protection is required, however in case of special substrates or in more demanding applications, we recommend to use suitable UV varnish in order to provide effective protection for the printed substrates. Please consider that highly absorbent stocks can significantly reduce the curing speed and the surface properties.

### Food packaging

The products listed above are not suitable for printing primary food packaging. More information concerning the subject of packaging (food, cosmetics, etc.) can be found on the webpage of the European Printing Ink Association: [www.eupia.org](http://www.eupia.org).

## Colors Set and Fastness Properties

IPIPURE PB 900 *					
Process Set		Light Fastness	Alcohol	Nitro	Alkali
Yellow	6GI-0900-0000	5	+	+	+
Magenta	6RS-0900-0000	5	+	+	-
Cyan	6BL-0900-0000	8	+	+	+
Black	6NE-0900-0000	8	+	+	+
		Light fastness based on standard ISO 12040: 1 (low) 8 (high)	Defined on standard ISO 2836: +: Resistance granted -: Resistance not granted		

\*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

### Printing Auxiliaries

The IPIPURE PB 900 inks are ready to use products. In case small adjustments are needed for special requirements, please find the recommended additives and technical information on the table below:

IPIPURE PB 900 Press room Auxiliaries		Usage	Dosage
Thinner/Diluent	6AD-8000-0000	Suggested usage to reduce tack and viscosity of the inks during printing run	Up to 5 %
Anti-tack Paste	6AD-8000-0003	Suggested usage to reduce the tack of the inks on difficult stocks	Up to 5 %
Catalyst Past	6AD-8000-0002	Suggested usage to enhance curing speed	Up to 5%

### Shelf life

12 months from the production date if the container is not opened. Store between 5 - 35°C. Higher storage temperature may reduce shelf life. Protect from frost and sunlight. The cans need to be closed back immediately after usage.

### Packaging

2.5 kg plastic cans