

## INKS

## NOBLEX Series

## NOBLEX 241

**NOBLEX 241** is a high-colour ink black delivering high jetness, strong optical density and a clean blue masstone for premium publication gravure, high-end packaging and quality liquid inks. Its fine particle size and balanced structure give deep blacks with excellent coverage and high print gloss on coated and non-porous substrates.

NOBLEX 241 disperses well in solvent- and water-based ink vehicles and supports good flow and rheology at working pigment loadings. It is positioned where maximum jetness, gloss and optical density define print quality; dispersion quality depends on mill type and the dispersant system used.

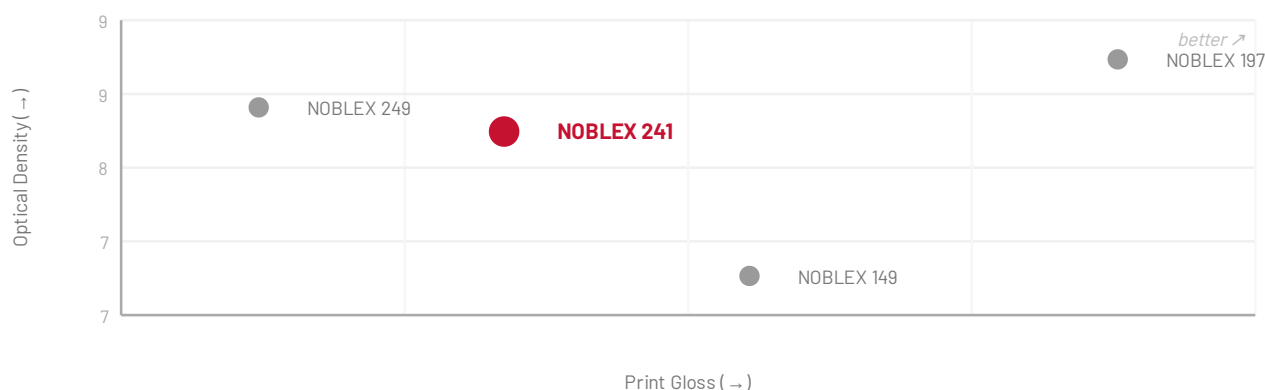
### KEY APPLICATIONS

- Publication gravure inks
- High-end packaging inks
- Premium liquid inks
- High optical-density print
- High-gloss coated-substrate inks

### PERFORMANCE FEATURES

- High jetness & optical density
- High print gloss
- Clean blue masstone
- Strong coverage in gravure/packaging
- Good flow at working loadings
- Solvent- & water-based compatible

Print Gloss vs Optical Density – Ink Blacks



### TYPICAL VALUE

| Test Items                     | Unit              | Standard             |
|--------------------------------|-------------------|----------------------|
| Physical Form                  | –                 | <b>Bead + Powder</b> |
| DBP Absorption No.             | cc/100g           | <b>96 ± 6</b>        |
| BET Surface Area               | m <sup>2</sup> /g | <b>200 ± 7</b>       |
| PH Value                       |                   | <b>3.0 ± 1</b>       |
| Tint Strength                  | %                 | <b>130 ± 6</b>       |
| Average Original Particle Size | nm                | <b>20 ± 2</b>        |
| Volatile Content               | %                 | <b>≥ 5.0</b>         |

### APPLICATION FIELD

| Application               | Recommended Dosage |
|---------------------------|--------------------|
| Publication Gravure       | 15 – 20%           |
| Packaging Inks (high jet) | 12 – 22%           |
| Premium Liquid Inks       | 10 – 18%           |
| High-Density Print        | 12 – 20%           |
| Pigment Concentrates      | 20 – 35%           |
| Coated-Substrate Inks     | 12 – 20%           |

- Recommended dosage (% in finished ink) can vary with vehicle, substrate and dispersion conditions.  
**Physical Form: Bead + Powder | Packaging: 10 kg (powder) / 20 kg (bead) paper or PE bag**

## ISTAR MATERIALS

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### Notice and Disclaimer

The data and information provided herein are based on our current knowledge and experience and are believed to be accurate. However, ISTAR MATERIALS cannot guarantee that similar results will be obtained by others as processing conditions and formulations may vary. This information is provided for guidance purposes only and does not constitute a warranty or guarantee of performance.

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