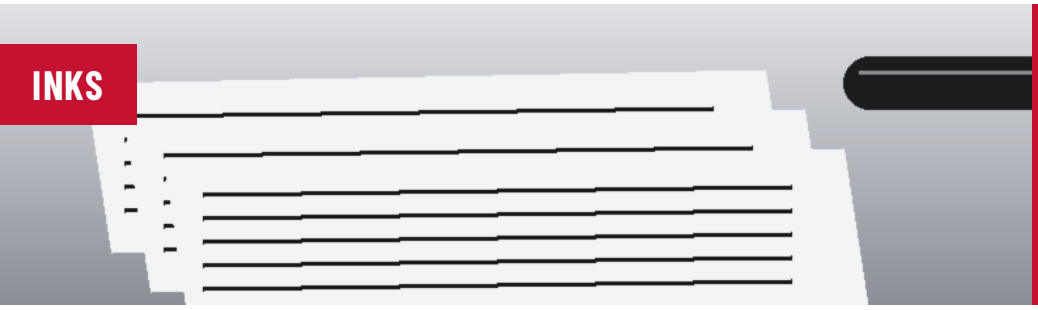
TECHNICAL DATA SHEET



NOBLEX
Series

NOBLEX 143

NOBLEX 143 is a low-structure ink black designed to impart very good colour strength and high gloss to lithographic and liquid inks while keeping vehicle demand and viscosity low. It balances jetness, gloss and rheology for high-quality print on non-porous substrates.

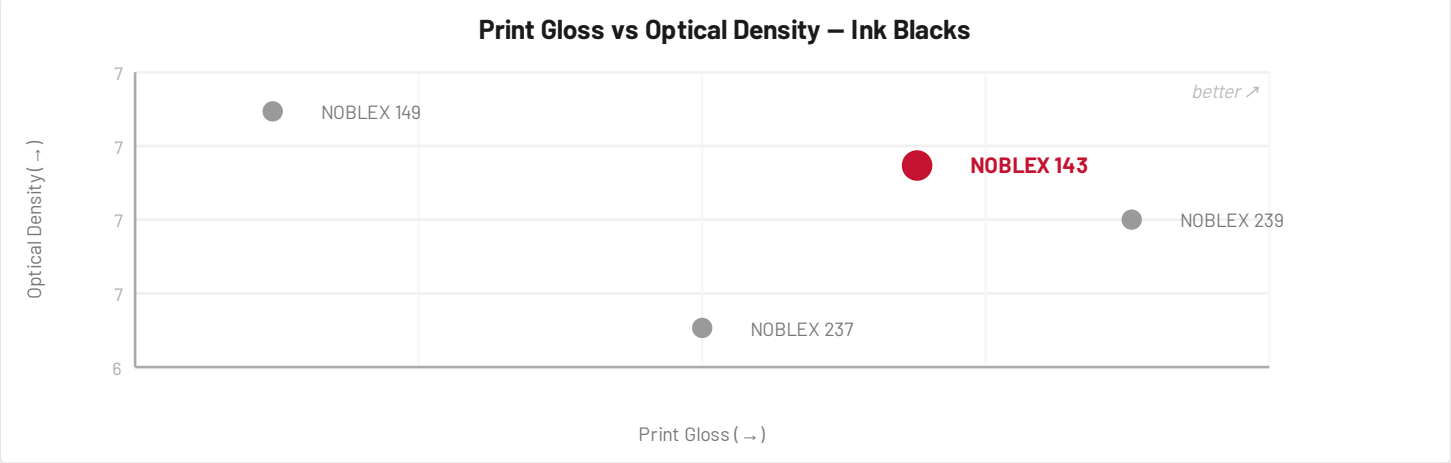
NOBLEX 143 suits heat-set and sheet-fed lithographic inks and packaging inks where high gloss, good jetness and low viscosity are essential. It disperses easily and supports stable, high-density print. Smaller-particle blends raise optical density; larger-particle blends deepen blue undertone.

KEY APPLICATIONS

- Heat-set & sheet-fed lithographic inks
- High-gloss packaging inks
- Non-porous substrate printing
- Low-viscosity liquid inks
- High-density print systems

PERFORMANCE FEATURES

- Very good colour strength
- High gloss on non-porous substrates
- Low vehicle demand & viscosity
- Easy dispersion
- Stable rheology
- Ideal for litho gloss inks



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	–	**Bead + Powder**
DBP Absorption No.	cc/100g	**58 ± 5**
BET Surface Area	m^2/g	**80 ± 7**
PH Value		**8.0 ± 1**
Tint Strength	%	**117 ± 6**
Average Original Particle Size	nm	**23 ± 3**
Volatile Content	%	**≥ 1.5**

APPLICATION FIELD

Application	Recommended Dosage
Heat-Set Lithographic Inks	12 – 18%
Sheet-Fed Litho Inks	12 – 18%
Packaging Inks (gloss)	12 – 20%
Liquid Inks	10 – 16%
High-Gloss Inks	12 – 18%
Pigment Pastes	15 – 25%

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

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