

INKS

NOBLEX Series

NOBLEX 140

NOBLEX 140 is an oxidised, medium-colour specialty carbon black for printing inks. Its aftertreated surface with high volatile content is readily wetted by ink vehicles, giving fast dispersion, low mill-base viscosity and excellent dispersion stability in both solvent-based and water-based ink systems. It develops strong optical density with a bluish undertone and high gloss in print.

NOBLEX 140 suits gravure, flexographic and general liquid inks where clean colour, good flow and dependable print density are essential. The polar surface supports stable, storage-safe dispersions at practical pigment loadings; powder and bead forms are available to match handling preferences.

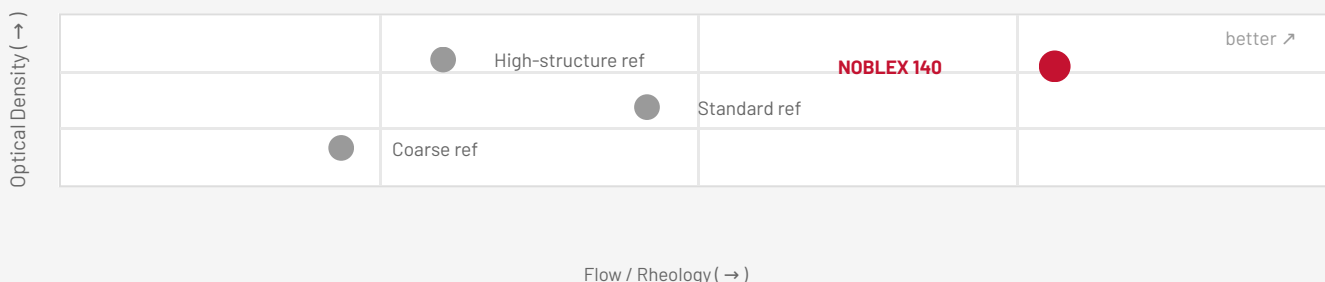
KEY APPLICATIONS

- Solvent-based gravure inks
- Water-based flexographic inks
- General liquid printing inks
- Black pigment concentrates
- Leather finishes & specialty inks

PERFORMANCE FEATURES

- Oxidised surface for easy dispersion
- Low mill-base viscosity, good flow
- Strong optical density in print
- Bluish undertone, high gloss
- Good dispersion & storage stability
- Powder and bead form available

Optical Density vs Flow – Liquid Ink Blacks



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	–	Powder / Beads
DBP Absorption No.	cc/100g	83 ± 6
BET Surface Area	m ² /g	123 ± 7
pH Value	–	5.0 ± 1
Tint Strength	%	118 ± 6
Average Original Particle Size	nm	28 ± 2
Volatile Content	%	≥ 5.0

APPLICATION FIELD

Application	Recommended Dosage
Solvent-Based Gravure Inks	8 – 15%
Water-Based Flexographic Inks	10 – 16%
General Liquid Inks	10 – 15%
Black Pigment Concentrates	15 – 25%
Leather Finishes	2 – 6%

■ Recommended dosage (% in finished ink) can vary with vehicle, substrate and dispersion conditions.

Physical Form: Powder & Beads | Packaging: 10 kg paper or PE bag

ISTAR MATERIALS

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