

INKS

NOBLEX

Series

NOBLEX 200

NOBLEX 200 is a low-structure, oxidised specialty carbon black engineered for UV-curing (energy-cure) printing inks. Its oxidised, acidic surface delivers low viscosity, easy dispersion and good dispersion stability, while reducing the cure energy and photoinitiator demand of the finished ink. It develops a distinctive blue undertone with high gloss.

NOBLEX 200 suits UV flexographic and paste inks where fast through-cure, strong flow and near-Newtonian rheology are essential. The treated surface wets readily even in the poorly-wetting binders typical of UV systems, supporting stable, low-viscosity dispersions at high pigment loadings. Coarser-particle blends deepen the blue undertone and lower viscosity further; finer-particle blends raise optical density.

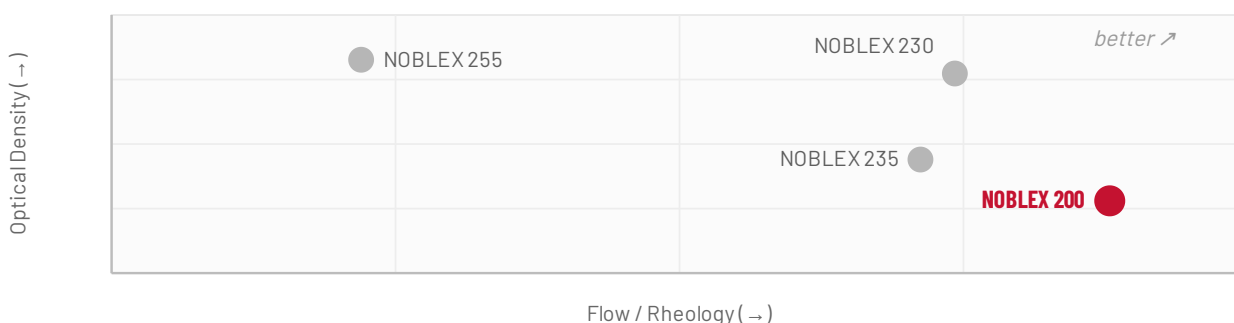
KEY APPLICATIONS

- UV-curing flexographic inks
- UV paste & offset inks
- Energy-cure packaging inks
- Low-viscosity black UV inks
- High-gloss UV coatings & overprints

PERFORMANCE FEATURES

- Oxidised surface for easy dispersion
- Low viscosity & near-Newtonian flow
- Reduced cure energy & photoinitiator demand
- Strong blue undertone, high gloss
- Good dispersion & storage stability
- Ideal for low-viscosity UV flexo inks

Optical Density vs Flow – UV Ink Blacks



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Powder
DBP Absorption No.	cc/100g	43 ± 6
BET Surface Area	m ² /g	62 ± 7
pH Value	-	3.0 ± 1
Tint Strength	%	110 ± 6
Average Original Particle Size	nm	28 ± 2
Volatile Content	%	≥ 2.0

APPLICATION FIELD

Application	Recommended Dosage
UV Flexographic Inks	12 – 18 %
UV Paste & Offset Inks	14 – 20 %
Energy-Cure Packaging Inks	12 – 18 %
Low-Viscosity UV Inks	10 – 16 %
UV Screen Inks	12 – 20 %
Pigment Concentrates (UV)	18 – 30 %

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

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

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