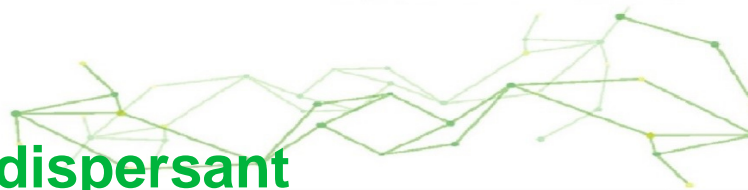




SUPER-1200D

Potentiometric dispersant



Overview

SUPER-1200D is a novel potentiometric dispersant primarily designed for the dispersion of difficult-to-disperse organic pigments and medium-to-high pigment carbon blacks. It induces a blue tone in black dispersions, demonstrating excellent wetting and viscosity reduction properties. Moreover, it enhances dispersion efficiency, improves ink flow, prevents color floatation and blooming, and enhances pigment color development and storage stability

Physicochemical Properties

Appearance	A yellow-brown liquid	Composition	High molecular weight synthetic copolymer
Solid Content	50.0±2.0 %	Solvent	Isoparaffinic Solvent
Density	0.96 g/ml		

Characteristics and Advantages

The latest potentiometric dispersant provides both positive and negative charges, exerting repulsive and mutually restraining effects. It utilizes linear long chains with branched side chains to create a three-dimensional barrier between pigments and resin matrices, preventing pigment re-flocculation and enhancing the flowability of grinding batches, thereby reducing color floatation and blooming phenomena

- Facilitates the production of a blue undertone in black dispersions when grinding high-pigment carbon black.
- Increases pigment content in grinding batches, lowers viscosity, and enhances flowability.
- Effectively balances dispersion and storage stability.
- Enhances glossiness and excellent color development after grinding organic pigments.
- Assists in preventing color floatation and blooming.
- Exhibits good compatibility with resins.

Dosage

- ◇ 75-90% for organic high-pigment carbon black FW-200, achieving 8-10% pigment concentration in ink formulations.
- ◇ 180-200% for organic high-pigment carbon black FW-200, achieving 16-18% pigment concentration in ink formulations.
- ◇ 10-20% for phthalocyanine blue, achieving 20-22% pigment concentration in ink formulations.
- ◇ 20-30% for phthalocyanine blue, achieving 25-30% pigment

Application	This dispersant is suitable for solvent-based organic pigment and carbon black dispersion systems.
Precautions & Storage	Store in a cool, well-ventilated area. Keep containers tightly sealed and away from heat and ignition sources.
Safety	Refer to MSDS
Packaging	25 KG/barrel