



SUPER-1000

Block hyperdispersant



Overview

SUPER-1000 is a block copolymer super dispersant primarily used for dispersing and stabilizing pigments in solvent-based coatings and ink systems. It enhances dispersion, prevents pigment flocculation, and increases color development, coverage, and gloss.

Physicochemical Properties

Appearance	Brown viscous liquid to paste	Composition	High molecular weight synthetic copolymer
Solid Content	≥98.0 %	Solvent	None
Density	0.96 g/ml		

Characteristics and Advantages

It is an A-B-A & B-A-B block copolymer super dispersant, with the function of rapidly removing surface moisture and air from pigments. Its multi-anchor structure tightly adheres to pigment surfaces, forming stable covalent bonds. The stable extending chains prevent pigment flocculation and agglomeration, reducing viscosity of paint slurries and increasing pigment loading.

- Enhances flowability during grinding.
- Shortens grinding time, improving productivity.
- Particularly effective for dispersing high surface area organic pigments, carbon black, and nano-scale fillers.
- Effectively prevents flocculation and agglomeration of pigments during storage.

Dosage

Before grinding, add:

- For inorganic pigments: 1.0-5.0%
- For organic pigments: 5.0-20.0%

Application

Solvent-based inorganic and organic pigment systems.

Precautions & Storage

Crystallization may occur at low temperatures, requiring water bath heating before use. Store between 0-40 °C in a cool, well-ventilated area. Keep containers tightly sealed and away from heat and sources of ignition.

Safety

Refer to MSDS

Packaging

50 KG/Drum