



DW-97

Aqueous polymer dispersant



Overview

DW-97 is a novel electrosteric dispersant, specifically designed for the dispersion of difficult-to-disperse organic pigments and medium to high-pigment carbon black. It enables black colorants to exhibit a blue undertone, provides excellent wetting and viscosity reduction, improves dispersion efficiency, increases colorant flowability, prevents floating and flooding, and enhances pigment color development and storage stability. It can disperse most organic pigments with broad applicability.

Physicochemical Properties

Appearance	Yellow-brown liquid	Composition	Block copolymer
Solid Content	50.0 ± 3.0%	Solvent	Water/DPM
Density	0.96 g/ml		

Properties and Advantages

The latest electrosteric dispersant provides both positive and negative charges, creating repulsion and mutual restraint. Additionally, it uses branched linear long chains to form a three-dimensional barrier between pigments and resin matrices, preventing pigment re-flocculation and improving the flowability of the grinding medium, reducing floating and flooding phenomena.

- APEO-free, environmentally friendly product.
- Grinding resin-free high-pigment carbon black enables black colorants to exhibit a blue undertone with very low viscosity.
- Increases pigment content in the grinding medium, reduces grinding medium viscosity, and enhances flowability.
- Effectively balances dispersion and storage stability.
- After grinding organic pigments, it tends to show high gloss and excellent color development.
- Good compatibility with resins.

Dosage

Inorganic pigments: 1-5% before grinding.
Organic pigments: 10-50% before grinding.
Carbon black: 20-100% before grinding.

Application

Waterborne organic pigment and carbon black dispersion systems.

**Precautions
&Storage**

Store in a cool, ventilated place. Keep the container tightly sealed. During winter, take anti-freezing measures (if frozen, thaw and stir before use). Under normal recommended storage conditions, the product has a shelf life of 2 years.

Safety

Refer to MSDS

Packaging

25 KG/Barrel