



D-430

Polyurethane viscosity-reducing dispersant



Overview

D-430 is a polyurethane-based viscosity reducer primarily designed for high pigment loading, high solids content, and solvent-free coatings, pigment dispersions, and printing inks. It significantly reduces grinding viscosity and enhances pigment color development, gloss, and coverage.

Physicochemical Properties

Appearance	Yellow-brown liquid	Composition	Polyurethane copolymer
Solid Content	≥98.0 %	Solvent	None
Density	0.88 g/ml		

Characteristics and Advantages

- Rapid viscosity reduction improves pigment wetting, particularly suitable for high pigment loading systems.
- Solvent-free, recommended for environmentally friendly high solids and solvent-free systems.
- Significantly reduces grinding viscosity, allowing for higher pigment loading.
- Excellent viscosity reduction in UV systems, suitable for low sheen applications, reducing matte powder viscosity.
- Especially effective for dispersing titanium dioxide, enhancing color development, gloss, and coverage.

Dosage

Before grinding, add:

For inorganic pigment fillers: 1.0 ~ 5.0% (adjust according to formulation)

Application

1. Mainly suitable for environmentally friendly high pigment loading, high solids, and solvent-free coatings, pigment dispersions, and printing inks.

2. Used to prepare high concentration titanium dioxide and inorganic pigment slurries.

Precautions & Storage

Product storage should be in a cool, well-ventilated area with containers tightly sealed and kept away from heat and sources of ignition. Store between 0-40 °C. Below 5 °C, the appearance may become turbid or separate. Heat to clarify and stir thoroughly before use.

Safety

Refer to MSDS

Packaging

25 KG/barrel