

Lencolo 1241 High-Temperature Resistant Solid Dispersant

Description

Lencolo 1241 is a 100% active polymeric dispersing and viscosity-reducing agent. Its polymer chains contain special functional groups that adsorb onto pigment surfaces, enhancing wetting and encapsulation. This improves pigment dispersion and stability in inks and coatings. Similar to organic salt groups, it is also effective for dispersing and reducing viscosity of inorganic pigments such as matting powders, without increasing gloss in matte systems. It is widely used in solvent-free, UV ink, solvent-based coating, and UV coating systems.

Technical Data

Composition	Active polymeric copolymer
Appearance	Light yellow solid
Specific Gravity	50°C ± 2
Active Content	100%

Product Features

Enhances pigment storage stability, improves rheology, and increases color strength and gloss

Excellent grinding and dispersing performance for both carbon black and organic pigments

Especially for various gravure packaging inks and UV offset printing ink systems disperse pigments are more outstanding, very good color development and viscosity reduction

Applications

Applicable to a variety of industrial coatings, solvent-based inks (especially PU composite inks), UV offset inks, UV inks and UV coating.

Recommended Usage

Before use, this product should be dissolved in a solvent or a resin solution for grinding. It can also be dispersed with UV monomers before adding pigments for dispersion and grinding.

Addition amount:

Titanium dioxide 2-5% Carbon black 10-25% High-Surface-Area Carbon Black 40-80%

Inorganic pigment 5-10% Organic pigment 10-20% Silicon Dioxide (SiO₂) 5-10%

Users are advised to determine the optimal dosage through trials prior to use.

Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 25kg per bag.

Tips: Lencolo 1240 has excellent high-temperature resistance, maintaining its dispersing performance even during high-temperature pigment grinding.

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.