

Coadd™ U-6105

Rheology Modifier

DESCRIPTION

Coadd™ U-6105 is a high solid-content, non-ionic hydrophobically modified urethane (HEUR) rheology modifier. The product provides excellent mid-shear rate (KU) thickening performance, while also providing good low-shear rate (BF) thickening. It modifies the system fluidity and storage stability, providing the final coating layer with properties such as uniform film formation, gloss, water-resistance, chemical resistance, and etc. The product also provides long-term viscosity stability, and anti-splash property.

PHYSICAL PROPEERTIES

Appearance	Light milky viscous liquid
Density (g/ml)	1.05
Active content (%)	32-35
Viscosity (mPa.s, 25°C)	5000-50000
Formaldehyde/APEO	None

Note: These properties are only typical, and do not represent product specifications

APPLICATION CHARACTERISTIC AND ADVANTAGES

Coadd™ U-6105 is recommended for waterborne architecture coatings, industrial coatings, wood coatings and printing inks. It provides good efficient mid- & low shear rate thickening, excellent application performance & in-can stability. The product can be used in wide pH range, and easy to use. Storage must avoid direct sunlight.

Optimum dosage should be determined via laboratory tests.

Incorporation process

Before add U-6105 in the formulation, please first dilute the U-6105 with solvent in ratio of 1:1, select from one of DB (Diethylene Glycol Monobutyl Ether), EG (Ethylene Glycol), or PG (Propylene Glycol). We recommend customer to select the solvent they use in their formulation. We do not recommend to dilute with water, as the viscosity would be high.

This diluted solution is recommended to be added in the end of let-down stage, with low to medium shear rate (normally would be 15-25% of the maximum RPM of dispersing equipment), slowly add U-6105 in 10-15mins, and continue to disperse for another 15mins after addition.

SAFETY NOTICE

Before using the products, please refer to SDS for detailed safety data, handling and storage procedures recommended.

DISCLAIMER

It is common proposal for product usage and demand above information based on our professional knowledge. Due to environmental uncertainty and out of our control from practical process, please test and make evaluation ahead of use to ensure efficient and safe. For your reference, the above information is only for commonly known and use the product. It is guaranteed to meet quality and product specification.

****Please refer to SDS for more information**