



TU-87N

Polyurethane associated thickener



Overview

TU-87N is a non-ionic polyurethane associative thickener primarily suitable for various aqueous and high-polarity solvent systems. It provides excellent rheological properties, enhancing flow and leveling properties, and improving coverage, resulting in coatings with superior leveling and sag resistance, color development, and water resistance. It is suitable for medium to high-shear thickening with excellent leveling properties.

Physicochemical Properties

Appearance	Slightly yellow, translucent liquid	Composition	Non-ionic associative polyurethane
Solid Content	50.0 ± 2.0 %	Solvent	Water/BCS
Density	1.06 g/ml	pH (1% a.q.)	7.0 ± 1

Characteristics & Advantages

- Efficient non-ionic polyurethane rheology modifier that imparts excellent rheological properties to coatings.
- Stable and efficient thickening system providing good can-opening performance and application properties.
- Excellent leveling, uniform film formation, superior biodegradation resistance, and anti-spatter properties.
- High film build, good gloss development, suitable for high-gloss systems.
- Superior water resistance and high durability of the coating film.
- Increases medium to high-shear viscosity, exhibiting strong thixotropy.

Dosage

Recommended dosage: 0.2-2.0% of the total formulation.

Due to the high viscosity of the original solution, it must be diluted with alkyl polyether solvents and thoroughly mixed before use.

Dilution method: TU-87N : BCS = 1 : 1 or TU-87N : BCS : water = 1 : 0.5 : 0.5.

Application

Water-based coatings, inks, adhesives.

Precautions & Storage

& Avoid contact with metals such as iron, cobalt, zinc, aluminum, etc.

Storage temperature should be controlled between 5-35 °C in a cool, ventilated place, and containers should be kept tightly sealed.

Safety

Refer to MSDS

Packaging

50 KG/Drum