Polyurethane rheological modified thickener

RT-3628

Features and advantages:

RT-3628 is one of the non-ionic combination thickener series products modified by polyurethane and hydrophobic groups. It is free of organotin and APE0 compounds and is a low odor, environmentally friendly, efficient rheological modification agent with medium and high shear viscosity thickening and leveling.

The RT-3628 is particularly suitable for water-based systems where convection and thickening effects are highly required. The product not only has excellent thickening effect, but also has excellent fluidity and leveling of the thickening system, which is widely used in various water-based systems such as latex paints and adhesives, especially all kinds of high and medium grade internal and external water-based architectural coatings, water-based industrial paints (such as wood, furniture and metal paints), water-based inks, water-based adhesives and petrochemical water treatment systems. In particular, the water-based adhesive system RT-3628 provides stable thickening properties

In water-based building and industrial coatings, RT-3628 products provide high thickening efficiency, excellent flow and leveling, excellent uniform film forming properties, gloss performance, and a wide range of internal and external formulations from flat to high gloss, nine it is suitable for use as a synergic thickener, Use with RT-3629 or RT-3631 products that provide high shear viscosity in coating formulations from matte to glossy to achieve an ideal balance of viscosity at different shear rates.

1. Free of organotin and APE0 compounds, low odor, safe to use.
2. Excellent opening effect and high thickening efficiency, excellent spattering resistance, water resistance, alkaline resistance, scrub resistance, stain resistance and water resistance.
3. Excellent flow, leveling performance and hiding effect, uniform film thickness and film fullness, does not affect the gloss characteristics of the film.

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4. Low viscosity liquid products, can be easily added at any stage of paint production, do not need to dilute before use, do not need alkali neutralization, flow level and thickening performance can be achieved in an instant.

5, non-ionic association thickener, its thickening performance is basically not affected by PH value, can be used in a wide range of pH fan country.

6.Anti-microbial and enzymatic degradation.

Product specifications:

Appearance	Pale milky or translucent liquid
Solid Content	17.5%
Solvent	Butyl carbitol/water
Density	1.04 g/cm³(25°C)
Viscosity	2000-4000 mPa·s(25°C)
Chemical type	Non-ionic association type HEUR

Usage:

RT-3628 can be used in different coatings and adhesive formulations, and has excellent compatibility with many other thickeners. In coating formulations with low PVC and small particle size emulsions, RT-3628 is usually used in combination with KU thickeners RT-3629 or RT-3631 to achieve the optimal balance of high, medium and low shear viscosity. In coating or adhesive formulations based on large-particle size emulsions, RT-3628 can be used alone as a leveling agent, KU and ICI thickener. When needed, a small amount of RT-3625 can be used or used in combination with RT-3627 to adjust and improve the paint's resistance to flow. The amount of use of this product is determined according to the customer's formula design, and the recommended addition amount is 0.3%~2.0%. Customers can use other thickeners according to the different requirements of production, storage, construction and film formation to meet the rheological requirements of the formula design. In paint production, RT-3628 is generally added when mixing paint, and customers can also determine according to actual

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production conditions. However, if RT-3628 and RT-3629 or RT-3631 are used in the formula

at the same time, RT-3629 or RT-3631 should be added first to ensure smooth and rapid thickening effect. RT-3628 should not be used with polyacid homopolymer dispersants.

Packing:

25 or 200 kg plastic drum and ton drum packaging

Storage:

The product should be stored in a cool, dry and ventilated warehouse under closed conditions, and certain anti-freezing measures should be taken during winter storage and transportation (if frozen, it can continue to be used after proper mixing after defreezing). The recommended storage temperature is 1-49°C. Validity :24 months (under specified storage and transportation conditions). This product does not belong to the chemical dangerous goods, according to the transport regulations of non-hazardous chemicals.

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