

• HH-2002W Dispersing agents

It has strong wetting and dispersing ability for wax powder and matting powder. It enhances wettability and dispersibility, has low addition amount and excellent storage stability. It can be used to make high solid content, low viscosity water-based dispersion slurry, which is stable in long-term storage.

• Product Data

Composition

Waterborne block copolymers with pigment-affinic groups.

Typical Properties:

Appearance: colorless or light-colored viscous liquid

Specific gravity: 1.01 (25° C)

Viscosity (mPa • s): 1000–1500 (25° C)

Solid content: 100%

PH: 5–7 (stock solution)

Ionicity: non-ionic

Solvents: water, alcohols

*.The values indicated in this data sheet describe typical properties and do not constitute specification limits.

• Applications

Recommended Use

It has the ability to wet and disperse all types of wax powder, matting powder, calcium carbonate, and titanium dioxide. It can also be used for nano-grinding of calcium carbonate to make the surface of inorganic powder hydrophilic.

It is mainly recommended to disperse and grind powder materials with low polarity (the powder to be dispersed and ground is not easily soluble in water, and it is better to use materials with hydrophobic structure, such as wax powder, zinc oxide, organic powder with high hydrophobic performance, PDFA and other materials).

Note: This instruction manual is for reference only and does not have any guarantee properties. Please test its applicability in advance.

• Addition amount

3~5% wax powder;

3~5% matting powder;

1~3% titanium dioxide.

*. The above data are empirical dosages, and the optimal dosage needs to be determined through a series of tests.

• Incorporation and Processing Instructions

To achieve the best performance, the additives should be added to the grind first, followed by the pigment. Premix the resin and solvent components of the grind, then slowly add the additives while stirring. Do not add the pigment until the additives are well mixed.

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