

## • HH-22T3 Dispersing agent

It can improve the dispersion quality of pigments and fillers. It disperses pigments and fillers evenly without flocculation through steric stabilization. Due to the reduction in viscosity, flow properties are improved, significantly increasing the amount of pigment added. It is easy to disperse, has high gloss, shortens the grinding time, significantly increases the coloring strength of the pigment, and improves the transparency of the pigment.

## • Product Data

### Composition:

Block copolymer containing hydroxyl pigment affinity groups.

### Typical Properties:

Appearance: Beige translucent viscous liquid

PH value: 5~7 (1% aqueous solution)

Solid content: 100%

Density: 1.05 g/ml 20° C

Acid value: 30 mg KOH/g

Flash point: >150°C

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

## • Applications

### Recommended Use:

Disperse grinding pigments and fillers in water-based resin-free systems and resin-based systems to produce water-based color pastes with stable quality. Used for wet grinding of water-based powders.

## • Addition amount

### Recommended Levels:

|                     | Polishing without resin | Polishing with resin |
|---------------------|-------------------------|----------------------|
| Inorganic pigments: | 3-5%                    | 1-2%                 |
| Organic pigments:   | 6-12%                   | 2-5%                 |
| Carbon black:       | 10-15%                  | 3-5%                 |

\*. The above data are the dosage ratios in the formula. The optimal dosage needs to be determined through a series of tests.

## • Incorporation and Processing Instructions

For best performance, additives should be added to the grind before adding pigments. First premix the resin and solvent components of the grinding material, then slowly add the additives under constant stirring. Do not add pigments before the additives are evenly mixed.

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