

TECHNICAL DATA SHEET

Dispersant HP-11580D Solvent-based high molecular dispersant.

Product Data

Composition

High molecular active polymer containing acid anchoring group,
BGA as solvent

Typical Properties

Appearance	Light yellow liquid
Acid value	40.0-60.0 mg KOH/g
Active ingredient	48.0%~52.0%

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

Applications

Recommended Levels

Inorganic pigment: 2-4%

Titanium dioxide: 2-4%

The recommended dosage is based on the percentage of pigment weight.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Special Features and Benefits

HP-11580D is specially developed for inorganic pigments, which can efficiently disperse titanium dioxide, heavy calcium and some iron oxide pigments. The special anchored group can effectively adsorb on the

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pigment surface, and has excellent viscosity reduction effect and pigment pigment dispersion stability. The results show that HP-11580D dispersed titanium dioxide has the best whiteness and covering power, and has excellent color matching and anti-floating performance compared with the same type of additives. HP-11580D strongly reduces the viscosity of titanium dioxide grinding system, improves the leveling property, increases the pigment concentration of titanium dioxide, and ensures that the white paint does not yellowing.

Recommendation: epoxy system, acrylic acid system, short oil alkyd system and UV system.

Storage and Package

Due to their acid values, these products may additionally catalyze the crosslinking of baking systems. Viscosity development should be checked upon storage. At temperatures below 5°C, turbidity and separation may occur. Warm to room temperature and mix well before use. Product efficiency is not influenced. The shelf life is 2 years from production date.

Net weight 25kg and 200kg plastic-lined iron drums, net weight 1000kg IBC.

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