

Technical Data Sheet HS-420

Product description

HONGSHI HS-420 is a polymer emulsion prepared from the copolymerization of vinyl acetate and ethylene, with high solid content, low viscosity and good flowability, especially designed for cement products, which is strongly recommended for making redispersible polymer powder.

Product property

- HS-420 with the characteristics of high solid content and low viscosity, it is very beneficial to the preparation of redispersible polymer powder, can reduce production energy consumption and improve product quality.
- HS-420 has the characteristics of high ethylene content and low glass transition temperature, and the formed polymer film is very flexible, especially suitable for application scenarios that require high flexibility or adhesion to organic interfaces.
- HS-420 can be used in cement products, can significantly improve the flexibility and bonding strength of mortar.
- HS-420 is produced without adding plasticizer, film forming agent or solvent, so it has excellent environmental protection, low odor and low VOC.

Technical data

Property	Method	Result
Appearance	Visual	Milk white liquid
Solid content	GB/T 27573	57.0~59.0%
Viscosity (4# 20rpm 25℃)	GB/T 27573	1000~4000 mPa.s
pH	GB/T 27573	3.5~5.5
Tg	Hongshi method	Approx. -10℃

Application

HS-420 is recommended for making soft type VAE polymer powder, or use with cement and other fillers to get good flexibility products, or use as primer on substrates.

Storage

- The suitable storage temperature for HS-420 is 5~37℃.
- If HS-420 is not used up after opening, the opening must be sealed as soon as possible to avoid emulsion crusting due to drying.
- HS-420 has a shelf life of 2 months when unopened and stored under appropriate conditions.
- After long-term storage of HS-420, recommend stirring it before use.
- Since the pH of this product is acidic, it is not suitable to store HS-420 with iron container equipment directly. It is recommended to use stainless steel, ceramic, plastic and other material containers for storage.

Packaging

- ISO Tank
- Flexible Tank
- IBC tank
- 220Kg Drum
- 50Kg PE Drum

Transportation

Ensure complete and sealed packaging during transportation to prevent microbial and crusting risk.

This information is based on the description of the product and its current knowledge of the product in consideration of the need for safe use. But these data do not serve as a guarantee for some specific application scenarios. It is the responsibility of the product user to ensure that the formulation is suitable for the purpose of its use. Hongshi is not responsible for any risk arising from such information. At the same time, according to the needs of product development and technological progress, Hongshi will reserve the right to update the product data. (12-2023)