

Water-borne Super Dispersant for Pigments & Fillers LD-6408

First, Technical indexes

Appearance: colorless to light yellow liquid

pH: 5-6

Active content: 45%

Solvent: water

Second, Characteristics and usage

The water-borne super dispersant LD-6408 with grafted molecular structure is composed by a main chain (polyacrylic acid) and a highly optimized special polymer side chain. It strongly adsorbs on the surface of inorganic fillers and creates electrostatic protective force and also forms an effective space barrier layer on the surface of particles. It allows to produce water-borne systems with inorganic pigments and fillers with fine particles size and great storage stability. LD-6408 has good high temperature resistance and acid and alkali hydrolysis resistance. It is compatible with water-borne resins and latexes. It has low influence on coating resin matrix performance during film formation. LD-6408 is suitable for different inorganic pigments, especially for calcium carbonate and titanium dioxide.

Third, Instructions

LD-6408 is soluble in water, and have a good tolerance to organic solvents such as alcohols and alcohol ethers. The recommended dosage is 0.5% - 1% upon pigments and fillers, and is 5% - 15% upon carbon black and nano-pigments and fillers. The suitable amount should be determined by experiments.

Fourth, Toxicity and storage

The product belongs to nontoxic chemicals, so it is permitted to be used in coatings with direct food contact. Avoid direct sunlight and exposure to low temperatures. The storage period is 3 years since the date of production.