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江苏象化科技有限公司
JIANGSU ELEPHCHEM HOLDING LIMITED

Technical Date Sheet of VAE Emulsion CW40-905

Product name: Vinyl Acetate-Ethylene Copolymer Emulsion CW40-905
CAS NO.: 24937-78-8

Characteristic:

VAE emulsion is an abbreviation for vinyl acetate–ethylene copolymer emulsion, which is a macromolecular emulsion, copolymerized by the high pressure emulsion polymerization method, after addition of emulsifier and initiator, with the vinyl acetate and vinyl monomer as the basic raw materials. VAE emulsion is milk white or slight yellow in appearance.
vinyl acetate–ethylene copolymer is an important product in the vinyl copolymer, generally in an emulsion state with its vinyl acetate content within a range of 70%~95%, and called as VAE Emulsion.

Technical Data of VAE Emulsion CW40-905

Items	Specifications
Appearance	White emulsion or light yellow and free of suspended matter
Solid content(%)	≥54.5
Viscosity(mpa.s, 25℃)	1500～2500
pH	4.0-6.5
VAC(%)	≤0.20
Ethylene(%)	15.0-19.0
Free Formaldehyde(g/kg)	≤0.020
Glass transition temperature（Tg/℃）	1～3
Minimum film formation temperature(℃)	＜0

Application:

1. Versatility: VAE Emulsions Are Highly Versatile And Can Be Tailored To Meet Specific Requirements In Different Industries.

2. Adhesives: VAE Emulsions Are Frequently Used In The Production Of Adhesives And Sealants. They Provide Excellent Adhesion To a Wide Range Of Substrates, Making Them Suitable For Applications Such As Woodworking, Paper Bonding, And Construction Adhesives.

3. Paints And Coatings: VAE Emulsions Are Employed As Binders In Water-Based Paints And Coatings. They Contribute To The Film-Forming Properties Of These Products, Enhancing Their Durability, Adhesion, And Flexibility. They Are Also Known For Their Low Voc (Volatile Organic Compound) Content, Making Them Environmentally Friendly.

4. Textile Industry: In The Textile Industry, VAE Emulsions Are Utilized For Textile Coatings To Improve The Fabric's Water And Stain Resistance. They Also Enhance The Durability Of Printed Patterns.

5. Paper Industry: VAE Emulsions Are Used In Paper Coatings To Improve The Printability, Surface Finish, And Ink Holdout Properties Of Paper Products.

6. Construction: VAE Emulsions Find Applications In Construction Materials, Including Cement And Mortar Modifiers, Where They Improve Workability, Adhesion, And Durability.

7. Non-Woven Fabrics: VAE Emulsions Are Used In The Production Of Non-Woven Fabrics, Providing Strength And Flexibility To The Materials.

8. Emulsion Polymerization: They Serve As a Key Component In The Emulsion Polymerization Process To Produce Other Types Of Polymers And Latex Products.

Package:

Packages：In 25KG/50KG/220KG drum or 1100KG IBC drum.

Storage:

Store in accordance with local regulations on safe storage of chemical products.
Store in a dry, well-ventilated place. Stay away from hot objects, sparks, and other sources of ignition.
Incompatible with strong oxidants.