FuncChem (Shanghai) Inc.

Tel: +86-21-2942 3300
Fax: +86-21-54932138
Web: www.funcchem.com
Email: chemsale@gmail.com; sale@funcchem.com

Hydroxyl-Modified Vinyl Resin VAFA (equivalent to VAGF of DOW)

Features:

VAFA is a high molecular weight copolymer resin polymerized by approximately 81% vinyl chloride, 4% vinyl acetate, and 15% hydroxyalkyl acrylate, with the hydroxyl content at 1.8%. VAFA has excellent adhesion on paper, PVC, ABS, PC, polysulfone resin and acrylic resin.

VAFA has good compatibility with various resins, such as alkyd resins, polyurethane elastomers, isocyanate resin, melamine resin, urea-formaldehyde, epoxy resins and etc. So VAFA is often formulated with other resins to improve the coating performance, and enhance paint adhesion, flexibility, tenacity, hardness and chemical resistance. The hydroxyl functionality enables crosslinking in a thermoset coating system to provide enhanced water and chemical resistance.

Application: VAFA can be used in a wide range of coating applications: maintenance paint and marine coatings, paper vanish, metal finishes, PET inks, wood, plastic coatings, and adhesive for magnetic tape and carbon ribbon.

Specifications:

Item	Specification
Appearance	White powder
Composition：	Vinyl Chloride: 81±1%; Vinyl Acetate: 4±1%; Hydroxyalkyl Acrylate: 15±1%
Tg（℃）	~ 79
MW	~ 33,000
K-value	48-50
Viscosity	58±2
Particle size (40 mesh)	100%
apparent specific gravity	≥0.5
Volatile content	≤1%
Black point /100g	≤10
Solubility (20% butanone/toluene solution)	Colorless and transparent