

Acrylic Emulsion Polymerization Technology

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TTP-935 Alkali Swelling Associative Thickener

■ Summary

TTP-935 Alkali Swelling Associative Thickener is a kind of hydrophobically modified alkali swelling emulsion thickener which is prepared by polymerization of acrylic acid, methacrylic acid and its ester monomer, functional monomer, emulsifier and catalyst.

■ Physical and Chemical Indicators

Product	Project	Result
TTP-935 Thickener	Appearance	Milky white light blue liquid
	PH	3.0~4.5
	Viscosity	<50 CPS
	Solid content	(30±1.5)%
	Specific gravity	1.04~1.06
	Shelf life	6 months(5℃~25℃ storage)

■ Performance and Application

TTP-935 Alkali Swelling Associative Thickener is used in the preparation of waterborne coatings, increasing the viscosity of coatings, preventing the deposition of pigments and fillers in coating system, improving the flowability and leveling of coatings, and improving the Spatter Resistance in coating process.

■ Usage method

- 1) Adjust the pH of the thickened system to 8~9.
- 2) Dilute the thickener TTP-935 with 2 times of water.
- 3) Add slowly and evenly to the desired viscosity in a stirred state.