



Technical information of polytex - 518

Vinyl acetate homopolymer

Product Properties

Characteristics	Range/ Value	Unit	Ref. Standard
Solids content	50±1	%	ISO 1625
PH	5 ± 0.5	----	ISO 976
Viscosity,Brookfield	50000~	CP	ISO 2555
Density	1.01	g/cm ³	ISO 2811
Minimum Film Formation Temperature	9	°C	ASTM D2354

Dispersion type	Anionic
Plasticizer	None
Pigment Wetting	Very good
Flexibility	Normal

Applications

Polytex- 518 is a plasticizer free vinyl-acetate emulsion. It can be used alone or together with fillers for carpet finishing to give suitable hardness properties to final product. Polytex- 518 is used for production of wood glue and binder. It is also used for woodwork joints and decorative paints. It is not recommended for exterior application by its own.

Compatibility

Polymers: Polytex-518 is miscible with a wide range of nonionic and anionic aqueous polymers. It should be noted that most of the time dried film of the polymer blend has a cloudy appearance.

Thickeners: Polytex-518 is compatible with Acrylic Acid-based, Polyvinyl alcohol ,Cellulose ethers and Poly urethane thickeners.

Plasticizers: Polytex-518 is compatible with Glycol ethers, Phthalate ester and Benzoate types.

Coalescence Agents: Polytex-518 is compatible with different types of Coalescence agents, such as Texanol, 402 solvent, Diethylene glycol monobutyl ether.

Fillers: Polytex 518 is compatible with amorphous and crystalline carbonate, silica, clay, lithopone, talk, etc. Addition of Sodium polyphosphate will improve pigment wetting properties of the resin.

Explanations

While using Polytex-518, according to the usage, the film formation temperature can be decreased by coalescence agents and by using thickeners reach to the suitable viscosity. Using anti foam to the level of 0.1 to 0.3% when using this is necessary and in



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order to prevent of microorganisms attacks suitable preserver should be used. Using of glycols leads to resistance against freezing increases but altogether the film formation temperature will not decrease noticeably.

Storage

6 month from production date under standard conditions and away from freezing, direct sunlight and heat.

Safety tips

Material safety datasheets are available from PolymerIran company. While working with chemicals common safety measures must be observed. Skin, eye and mucous membrane irritation in prolonged contact with the acrylic polymer. Workplace should be sufficiently well-ventilated and protective clothes and goggles should be used.

Notice

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