



Technical information of polytex – 511

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	13	°C	ASTM D2354

Dispersion type	Anionic
Plasticizer	None
Pigment Wetting	Very good
Flexibility	Normal

Applications

Polytex- 511 is a vinyl- acetate emulsion. Polytex- 511 is used in carpet finishing and textile manufacturing. Due to its suitable viscosity and compatibility with concrete products, Polytex- 511 is an appropriate option for mortar and wall insulation products.

Compatibility

Polymers: Polytex-511 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-511 is compatible with Acrylic Acid-based, Polyvinyl alcohol ,Cellulose ethers and Poly urethane thickeners.

Plasticizers: Polytex-511 is compatible with Glycol ethers, Phethalate ester and Benzoate types.

Coalescence Agents: Polytex-511 is compatible with different types of Coalescence agents, such as Texanol, 402 solvent, Diethylene glycol monobutyl ether.

Fillers: Polytex 511 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-511, 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 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.



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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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