

Vinaltex™ H301 is a medium / low molecular weight, solid polyvinyl acetate, developed for use as a thermoplastic low profile additive in unsaturated polyester composites.

Vinaltex™ H301 is a carboxylated polymer which achieves low solution viscosity, efficient compound thickening, very low shrinkage and excellent mould release properties.

For further information regarding this product please refer to:

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FEATURES

- Rapidly dissolves in most organic solvents including styrene
- High thickening efficiency
- Excellent solution stability and compatibility
- No shrinkage
- High gloss

Vinaltex™ H301 is manufactured on a dedicated polymerisation plant and is produced in the form of colourless beads.

Property	Typical Value	Unit	Method ¹
Total Solid Content	>99.0	%	MTP1
Viscosity 20% in ETAc @ 20°C	18 - 30	mPa.s	MTP4
Acid number	5.0 - 7.0	mg KOH/g	MTP8
Typical viscosity 40% in styrene @ 23°C	750 - 2500	mPa.s	
Typical water content	0.75 max	%	
Typical molecular weight	100,000	Da	
Appearance	Solid, colourless beads		

¹ internal method based upon the specified norm

Application Advice

Dissolving - Vinaltex™ H301 is soluble in many organic solvents such as esters, ketones and lower alcohols. Vinaltex™ H301 is however designed for dissolution in styrene. Vinaltex™ H301 should be added carefully to the solvent system under sufficient agitation to ensure dispersion of the polymer beads. Styrene solutions of Vinaltex™ H301 should be stored in appropriate air tight containers, and should incorporate an inhibitor to extend storage stability.

Compatibility - Vinaltex™ H301 is compatible with other M Grade polymers, and can be mixed in any proportion to modify either solution or dry properties. In common with other M grades, Vinaltex™ H301 can be plasticised with many types of plasticiser to modify film properties. Further details are available on request.

Very effective Low Profile Additive. All types of SMC, BMC, Pultrusion & RTM.

Shipping and Storage

Vinaltex™ H301 is a thermoplastic solid. To prevent sticking of the polymer beads the product should be stored in dry conditions, below +20 °C (+68 °F) out of direct sunlight. Pallets should not be stacked. Under these conditions the product has a storage life of at least 24 months from date of manufacture. Product which has been stored for longer than 24 months should be tested before use.

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Vinaltex™ H301 is supplied in 25kg paper sacks each marked with the grade reference and batch number. The minimum order quantity is 1000kg on a stretch wrapped pallet.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.