

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

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:

Jack Wheatley

Phone: +44 (0) 1279 741 225

eMail: Jack.Wheatley@synthomer.com

FEATURES

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

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 - 1700	mPa.s	
Typical viscosity 40% in styrene @ 25°C	700 - 1500	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 - H301 is soluble in many organic solvents such as esters, ketones and lower alcohols. H301 is however designed for dissolution in styrene. H301 should be added carefully to the solvent system under sufficient agitation to ensure dispersion of the polymer beads. Styrene solutions of H301 should be stored in appropriate air tight containers, and should incorporate an inhibitor to extend storage stability.

Compatibility - 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, 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

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

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date of manufacture. Product which has been stored for longer than 24 months should be tested before use. 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.