

ENCOR[®] 1301

TEXTILE & NONWOVENS

ARKEMA COATING RESINS

Product Application details

ENCOR[®] 1301 is an homopolymer based on vinyl acetate, free from plasticizers and APE surfactants.

Drying the product over its minimum film forming temperature, a transparent and stiff polymeric film is obtained.

ENCOR[®] 1301 can be used for the consolidation and finishing of nonwovens, it finds also application as polymeric plasticizer for UF, MF and phenolic based formulations.

Performance Benefits

- Compatible with phenolics and aminoplastics
- Heat sealing compatible
- Formaldehyde free *

* product formulated without formaldehyde or formaldehyde releasers. During normal conditions of use, this binder does not generate formaldehyde

Polymer Type

- Vinyl Acetate Homopolymer

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	54 - 57
pH (ISO 976)	4.0 - 5.0
Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp3) (ISO 2555)	2000 - 3000

Other Characteristics¹

Stabilizing system	PVA
Tg (DSC), °C	39
Density / Specific Gravity at 23°C, g/ml (ISO 2811)	1.08
Average Particle size, nm (ISO 13321)	1300

¹ The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

Formulation Guidelines

To improve solvent resistance, external curing agent(s) can be added.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 1301 should be stored indoors in the original, unopened and undamaged container, in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

The product is protected to prevent any microbial deterioration during normal conditions of storage but care should be taken to avoid accidental contamination during subsequent handling and processing.

In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date

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