



# Marubeni

Specialty Chemicals Inc.

## LC-13-1

Vinyl Chloride/Vinyl Acetate Copolymer

**Description:** A high molecular weight resin; equivalent to Dow VYHH.

This product offers a desirable balance of chemical resistance, solubility, film strength and thermoplasticity. The LC-13-1 exhibits good adhesion on paper, acrylic resin, PVC, ABS and PC, etc.

**Solubility:** Ketones are especially good solvents, while esters are relatively weak solvents. Chlorinated hydrocarbons, such as 1,2-dichloroethane can completely dissolve LC-13-1, while methyl chloroform and tetrachloroethane will only swell it. However, chlorinated hydrocarbons and amides are only used on rare occasions. Aromatic hydrocarbons play a good roll as diluents in swelling the resins and can be used in conjunction with the ketones. LC-13-1 will typically be dissolved in strong solvent/diluent combinations to produce resin solutions of 22 to 25% solids.

**Application:** LC-13-1 is ideally suited for marine and maintenance coatings, metal and can paint, strippable coatings, ink for PVC and paper, binder for magnetic card strip, leather surface treatment, flooring paint, and coatings for ciphertext discs, and rubber and plastic foam materials.

### LC-13-1 Typical Properties

Appearance (solid)	White powder
Appearance (25% solids in 50/50 MEK/Tol)	Clear colorless
Composition % by weight ( $\pm$ 1%)	vinyl chloride - 86
	vinyl acetate - 14
Reactive Functionality	---
Glass Transition Temp ( $T_g$ )	ca. 72 °C
Av. Molecular weight ( $M_n$ )	ca. 27,000
% by wt through 60 mesh	100%
Volatile %	$\leq$ 1%
Impurity (no. of particles/100g)	$\leq$ 20

The above product and application information are generally accepted practices for this product in its given industries. The handling of Marubeni's products is beyond the control of the Producer and Seller, and so no warrantee as to the results obtained is made, expressed or implied, whether the product is purchased or furnished as a sample. The Purchaser or User should therefore, by his own tests and experiments, determine the suitability of this product for his own particular use.



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