



LOV SERIES

The LOV series consists of vinyl-based inks of high-gloss finish and resistance against weathering, designed for high-quality printing on vinyl products, vinyl-coated paper, and the like. The printed film is very rugged to withstand outdoor weathering while maintaining adequate softness. Weathering resistance is assured for all colors without bleeding. Inks in this series are ideal for screen printing requiring a sharp finish.

Ink type

One part, air drying ink

Usage

Ideal for all vinyl-coated paper, stickers, cloths, molded products, toys, and shower curtains.

Characteristics

Flat finish with soft luster

Low odor inks to produce excellent luster and durability

Diluent

Standard solvent: T-912

Slow dry solvent: T-920

Super-slow dry solvent: T-980

Washup

T-911 or T-15

Printing

Use of Tetoron or nylon screens of 200-300 mesh number is recommended.

Coverage : Approximately 30m² /kg on a 250 mesh screen

Drying time

Air-dries at room temperature (25C) in 30 minutes or more quickly in forced drying.

Notes

These inks adhere very well to almost all vinyl surfaces but performance may be affected by wax or other undesired substances that may adhere to PVC leather, vinyl plastic coating, cast items, or dies. Testing is always recommended.

Inks in this series are highly resistant against weathering although it varies with the color. Extra resistance against weathering is available upon request.

Nontransparency varies with the color. Transparent color inks (eight colors) are available. Please refer to the gloss color cards for color tones.



Reference Data

Printed Surface Performance Table

Test Item	Condition	Result
Hardness	Pencil hardness 45 angle, 200g load	H
Adhesion	Peeling test on cross cut using cellophane tape	100/100
Heat Resistance	70C *48 hours	Not Affected
Moisture Resistance	40C* 90%RH* 120 hours	Not Affected
Acid Resistance	Soaked in 0.1N H ₂ SO ₄ for 24 hours	Not Affected
Alkali Resistance	Soaked in 0.1N NaOH for 24 hours	Not Affected
Methanol Friction Resistance	Rubbed 80 times with methanol dampened cotton cloth	Not Affected

Test Conditions

Ink : LOV 120 White /710 Black

Material: PVC plates /Polycarbonate plates

Drying : 60C 30 minutes + 25C 1day /25C 1week