



## ACT SERIES

Ease of use was emphasized in developing the vinyl-based inks in the ACT series. Outstanding comparibility for printing and workability difference them from other inks. They are also economical, quickdrying screen printing inks of good adhesion and low odor levels applicable for a wide variety of vinyl products.

### **Ink type**

One part, air drying ink

### **Usage**

Ideal for all vinyl products including toys, artificial leathers, and other soft vinyl, hard vinyl, PVC and stickers. Often used for marathon printing.

Ideal for marathon printing and high-speed cylinder press printing.

### **Characteristics**

Flat, semigloss finish of smooth screen printing film.

Inks adhere well to nearly all vinyl products. Presence of mold lubricant and plasticizer may affect adhesion. Testing is always recommended.

### **Diluent**

Standard solvent: T-912

Slow dry solvent: T-920

Super-slow-dry solvent: T-980

### **Washup**

T-911 or T-15

### **Drying time**

Air-dries at room temperature (25C) in 10 minutes, or more quickly in forced drying.

### **Printing**

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

### **Notes**

Use ACT-780N medium when gold metallic powder is added.

Extra resistance against weathering is available upon request.

**\*SG720 series are slow-drying version. Its specifications and performance are nearly identical to those of inks in the ACT series.**

## Reference Data

### Printed Surface Performance Table

Test Item	Condition							Result
Adhesion	Peeling test on cross cut using cellophane tape							100/100
Heat Resistance	80C *96 hours, and adhesion test							100/100
Thermal Shock Resistance	Cycle	80C	RM	-20C	40C	RM	-20C	100/100
	(hours)	2	0.5	2	3	0.5	2	
	After 3 cycles, Adhesion test							
Water Resistance	Soaked in 40C water for 24 month							Not Affected
Acid Resistance	Soaked in 0.1N H <sub>2</sub> SO <sub>4</sub> for 7 hours							Not Affected
Alkali Resistance	Soaked in 0.1N NaOH for 7 hours							Not Affected
Gasoline Resistance	Soaked in gasoline for 7 hours							Not Affected
Oil Resistance	Soaked in engine oil for 7 hours							Not Affected