



Silicone ink for Printing and coating

# TSL-401

## DESCRIPTION

TSL-401 is two-component silicone systems designed for screen printing and coating processes. TSL-401 do not contain PVC, phthalates, organotin, formaldehyde or solvents.

## KEY FEATURES

- ▶ Contains no PVC, phthalates, solvents, organotin or formaldehyde
- ▶ Soft, low-tack touch
- ▶ High elongation
- ▶ Excellent wash durability
- ▶ Anti-color migration
- ▶ Easily pigmented
- ▶ Fast cure
- ▶ Ironable

## APPLICATIONS

- ▶ Textile Printing Ink by silk screen and coating.

## TYPICAL PROPERTY DATA

BOFORE CURING		
Appearance		Translucent
Viscosity	Pa·s {cP}	19.1{19156}

AFTER CURED (1hr @ 150°C)		
Appearance		Translucent
Specific Gravity*1		1.04
Hardness		28
Tensile Strength*1	MPa {kgf/cm <sup>2</sup> }	1.89{19.3}
Elongation*1	%	167.6

## RECOMMENDED PROCEDURE

Application: Apply by silk screen and coating.  
 Cure: 2-3 minutes @ 170-180°C (The coating curing speed is depend on thickness)  
 Curing agent mixing ratio: CAT-BS0 (3-5phr)

## REMARKS

- ▶ The components can be manually weighed and mixed by hand or using a mechanical mixer. Any air drawn into the ink may be removed under vacuum, but in most cases, the air will escape during the printing process.
- ▶ Materials such as sulfur, nitrogenous compounds, organic metallic salts, and phosphorus compound



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- will inhibit curing.
- ▶ Data here should not be used specifications.

## SPECIFICATION

Typical product data values should not be used as specification. Assistance and specification are available by contacting YanTai E.S.T. silicone technology co.,LTD

## HANDLING AND SAFETY

When solvent are used, proper safety precautions must be considered toxic and must be used only in well ventilated areas.

## USABLE LIFE AND STORAGE

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 12 months from the date of manufacture.

CAUTION!	HANDLING PRECAUTIONS	FIRST AID MEASURES
1.FOR INDUSTRIAL USE ONLY 2.This product is neither terted nor representde as suitable for medical or pharmaceutical uses. 3.Do not use this product for other than its intended use,or user shall bear responsibility for any problems.	1.Wear suitable protective goggles, respirator and gloves. 2.Use only where an adequate ventilation system is available to sxhaust poisonous gases. 3.After handling,wash face and hands very thoroughly. 4.Keep out of reach of children. 5.Store in a cool,dark and dry place.	1.Inhalation:Remove to fresh air and get medical attention immediately. 2.Eye contact:Immediately flush eyes with plenty of water for at lest 15minutes.Get medical attention immediately. 3.Skin contact:Immediately flush skin with plenty of soop and water for at least15minutes.Get medical attention immediatly. 4.Ingestion:Induce vomiting and get medical attention immediately. 5.See material safety data sheet.