

Silicone Heat Transfer Film

SJ INNOTECH has been researching 100% silicone HTF since 2019.

Regular vinyl film has problems such as poor film adhesion and a film surface that is easily contaminated, so we started R&D to improve these shortcomings. After years, thousands of tests, and numerous research grants, we finally found a solution! We introduce our premium silicone HTF,

SI SKIN

SI SKIN is an environmentally friendly heat transfer film made of silicone, which has great features of durability, lightfastness, easy cleaning and resistance to color migration. It can be heat transferred to a variety of fabrics. It is ideal for sportswear, casual and industrial apparel, including water sports, to print logos, numbers, lettering, etc.

Width: 500mm

Content: Silicone 100%

Wash-Resistance: 10 Washes x 60°C (140°F)

Transfer Heat: $\pm 145^{\circ}\text{C}$ (293°F)

Transfer Time: 10 - 20 sec *Hot Peel*

SI SKIN

SILICONE HEAT TRANSFER FILM

SI SKIN's COLOR is Customizable!



SI SKIN's MIDAS TOUCH is Customizable!



Tacky

MIDAS TOUCH 100



Tacky + Silky

MIDAS TOUCH 300



Silky

MIDAS TOUCH 500

SI SKIN

SILICONE HEAT TRANSFER FILM

SI SKIN's Thickness is Customizable!

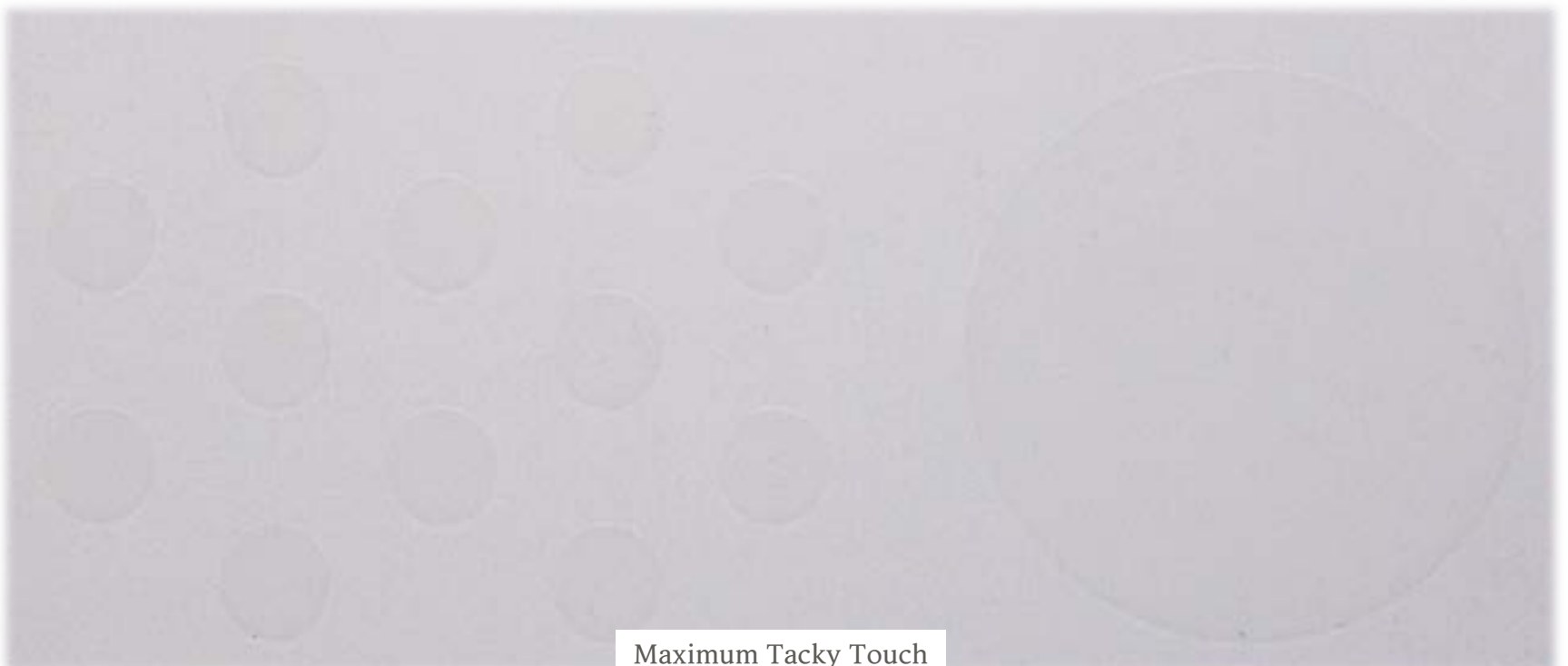


180um



500um

SI SKIN Non-Slip Type



Maximum Tacky Touch

COLOR MIGRATION (OVEN TEST FOR HT AND PRINTS)

PHX-AP0514

Color Change	4-5
Color Staining	4-5

APPEARANCE CHANGE AFTER LAUNDERING

ISO 5077:2007 , ISO 3759:2011 , ISO 6330:2012 , ISO 16322-1/-2/-*3:2005-06+ , ISO 16322-2 Amd.1:2007

With 2 kg Load, In Tide detergent 20 Grams 3 detergent used

Washing Condition: Machine Wash normal at 60°C, Tumble Dry Normal

After 10 Washes	Color Change	4-5
	Self Staining	4-5
	Pilling	4-5
	Appearance of Trim After Washing	No obvious change

APPEARANCE AFTER A DRY CLEANING

AATCC TM158-1978e10(2016)e

After 5 Cycle	No Appreciable Change Was Found at the Print
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APPEARANCE AFTER WASHING

AATCC TS 008-2007

Washing Condition : Machine Wash normal Cycle at (41 ± 3)°C , Tumble Dry Normal

After 60 Washes	Color Change was not Found
	Self Staining was Found Slightly (Grade: 4)
	Fuzz and Pill were not Found
	No Changes were Found in Other Parts

ABRASION RESISTANCE

ISO 5470-2 : 2021, Martindale Method

Abradant Type : Dry Wool Abradant Fabric	5
Number of Revolutions : 6,400 Revolutions	
Applied Pressure : (12 ± 0.2) kPa	
Grade 5 (Complete) : Base Fabric Appears	

COLORFASTNESS TO ARTIFICIAL LIGHT (XENON ARC FADING LAMP TEST)

DIN EN ISO 105-B02 : 2014, Method 3 Modified, Exposure Cycle A1

Blue Wool Reference 4	ABOVE 4
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HAZARDOUS MATERIALS TESTING REPORT

Heavy Metals (Cd , Pb , Hg , Cr VI)	N.D.
Flame Retardants-PBBs/PBDEs	N.D.
Phthalates	N.D.
Halogen Content (Br , Cl)	N.D.

SJ INNOTECH CO., LTD.

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The cover image for this version of the brochure is an edited
picture of the ashes of our silicone products, colored
red to evoke the rising temperatures
caused by global warming, and in keeping
with our eco-friendly philosophy, the paper is made
from 100% bamboo, which is antibacterial and biodegradable.

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