UV DTF FILM
UV DTF 打印膜

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DIGITAL TRANSFER TECHNOLOGY

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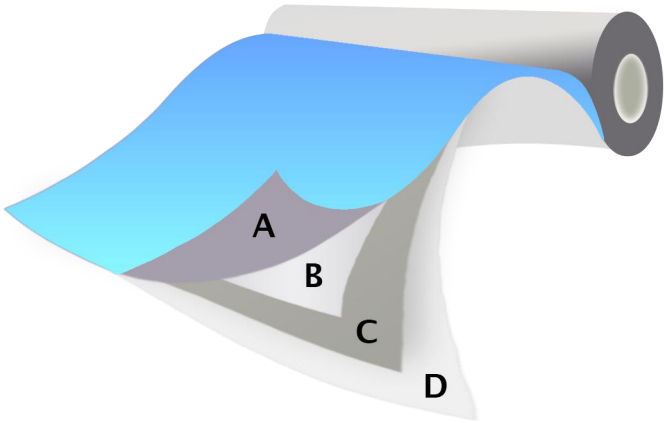
TRANSPARENT UV TPU DTF FILM FOR 3D

TPU printable film for UV printing is a high-performance, flexible heat-transfer material designed for creating high-definition 3D logos and graphics on fabric and apparel. Made from premium thermoplastic polyurethane, it offers excellent elasticity, softness, and durability, allowing designs to stretch naturally with the garment without cracking or peeling. Its specially coated surface ensures strong UV ink adhesion, vivid color reproduction, and sharp detail. Compatible with UV DTF and UV printers, the film enables textured, raised effects and delivers reliable adhesion, making it ideal for premium textile decoration and customized garment branding.



A:UV-ink receptive layer

B: Thermoplastic Polyurethane (TPU)

C: Heat-activated TPU adhesive

D: PET release film

1. Basic Information

a. Product Name: Transparent UV TPU DTF FILM

b. Product Code: SL-UTTR35

c. Material: Thermoplastic Polyurethane, TPU

d. Color: Transparent

e. Surface: Matte

f: Thickness: 0.35mm

g: Roll Size: 30.5cm/61cm x 25m/50m

h: Release Liner: PET

i: Application: UV flexible ink printing, die-cutting and heat transfer



2. Key Specification

The Transparent TPU film allows the underlying fabric color and texture to remain subtly visible, creating a lightweight, layered, and integrated visual effect.

3. Print Compatibility

a. Recommended Ink: Flexible UV Ink

b. Printing Method: UV flatbed printer / UV roll-to-roll printer

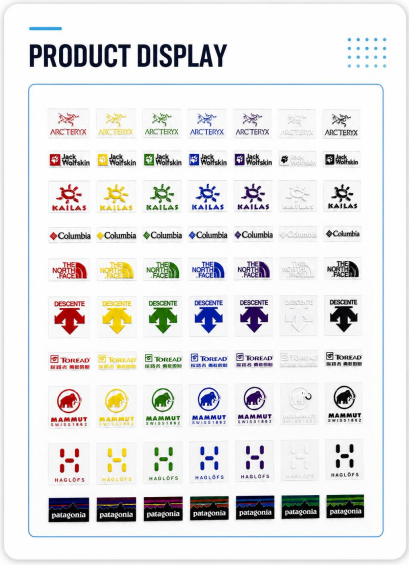
c. Ink Adhesion: Excellent

d. Color Reproduction: Vivid and stable

e: White Ink Compatibility: Applicable

f: Varnish Compatibility: Applicable

g: Curing Requirement: According to ink manufacturer's recommended settings



4. Die-cutting performance

a. Suitable for contour cutting and die-cutting

b. Good edge definition

c. No obvious edge lifting

d. Compatible with common cutting plotters

e. Smooth waste discharge

5. Recommended parameters

Parameter	Recommended Range
Heat Press Temperature	150-160 °C
Pressing Time	10-15S

6. Adhesion and Durability Performance

Test Item	Test Condition	Result
Peel Strength	After heat transfer	N/25 mm
Washing Resistance	40°C × 40 cycles	No peeling / No cracking
Bending Test	Repeated folding	No visible cracking
Abrasion Test	Specified cycles	No significant damage
Yellowing Resistance	oven test	Grade 3.5

7. Application

Cotton,Polyester,Cotton/polyester blends,Nylon,Canvas,Fabric bags,Synthetic textile materials

8. Storage and Shelf-life

a. Storage Temperature：0–40°C
b. Relative Humidity：40–70% RH
c. Storage Method：Keep sealed in original packaging
d. Avoid：Direct sunlight, heat, moisture, dust and pressure
e. Shelf Life：12 months



Note: The information contained in this technical data sheet are based on our present experience and knowledge. In consideration of the various factors which can effect the results achieved in the final application, Saillage doesn't take any responsibility for an unproper use of the product by the user which can violate or damage rights of third parties.