

Technical Datasheet – Sublimation Paper

1. Product Overview

JD Sublimation Paper is designed for high-quality dye-sublimation printing, offering vivid color transfer, fast drying, and reliable anti-curl performance. Our product line includes low to high grammage papers (29gsm to 120gsm), meeting different application needs from fast sportswear production to high-definition signage and home textiles.

2. Application Areas

- Sportswear (jerseys, swimwear)
- Fashion fabrics
- Home textiles (curtains, cushions)
- Rigid substrates (metal, wood)
- Promotional items (mugs, puzzles)
- Soft signage & banners

3. Recommended Weight & Use

Grammage	Recommended Use	Key Features
29gsm / 35gsm/42gsm	High-speed sportswear production	Lightweight, fast-dry, economical
55gsm / 60gsm	Garment factories (polyester T-shirts)	Balanced drying & ink load
70gsm / 80gsm	Home textiles, soft signage	Good color density, anti-curling
100gsm / 120gsm	Sportswear, swimsuits, high-stretch fabrics	Heavy-duty, high ink absorption

4. Technical Specifications

Parameter	Value
Base Paper Weight	29gsm/32gsm/40gsm / 60gsm / 70gsm / 80gsm / 100gsm / 120gsm
Coating Type	Fast-dry microporous / Sticky coating (for textile roll transfer)
Ink Compatibility	Water-based sublimation inks
Transfer Rate	>95%
Opacity	≥ 92%
Whiteness	≥ 98%
Smoothness	>80s

Drying Time	<10 seconds
Flatness	$\leq \pm 3\text{mm}$
Shelf Life	12–24 months (10–30°C, RH <60%)

5. Recommended Printers & Settings

Our sublimation paper is compatible with all major desktop and industrial dye-sublimation printers, including but not limited to Epson, Mimaki, Roland, Sawgrass, and Mutoh. It performs well across a wide range of printing speeds and resolutions, making it suitable for both small batch customization and high-volume production environments.

For optimal results, we recommend adjusting your printer's settings according to the paper grammage and image coverage. Ensure proper drying time and humidity control within the printing area.

6. Transfer Instructions

Recommended heat press settings (may vary):

- Temperature: 180–200°C
- Time: 25–35 seconds
- Pressure: Medium
- Remove paper immediately after transfer
- Conduct small-scale tests before bulk production

7. Storage & Handling

- Store in original packaging
- Keep in dry, cool place (10–30°C)
- Avoid humidity and direct sunlight
- Allow paper to adapt to room temperature before printing

8. Notes & Disclaimers

- Sublimation paper is not suitable for cotton or dark garments.
- Test compatibility with specific ink and printer before mass production.
- Ensure printer settings are optimized for best results.