



Product Datasheet – JD DTF Adhesive Powder

1. Product Overview

JD DTF Adhesive Powder is a thermoplastic polyurethane (TPU) powder designed for use with JD DTF inks and PET films. It ensures strong adhesion, excellent wash resistance, and flexibility on a wide range of fabrics including cotton, polyester, blends, and treated textiles.

2. Types & Particle Sizes

- Fine Powder: 80–120 μm – best for delicate designs and light fabrics
- Medium Powder: 120–200 μm – general-purpose, suitable for most applications
- Coarse Powder: 200–300 μm – heavy fabrics, hoodies, canvas, bags

3. Packaging Options

- 1 kg sealed bags
- 5 kg cartons
- 20 kg bulk packaging
- OEM/ODM packaging available

4. Key Features

- Strong bonding with PET film and fabric
- Smooth, even coverage during application
- Excellent wash resistance (up to 50+ washes)
- Resistant to cracking and peeling
- Safe TPU-based formulation, eco-friendly
- Compatible with hot, warm, and cold peel DTF workflows

5. Recommended Process

- After printing on JD PET Film, evenly apply adhesive powder over wet ink
- Remove excess powder by gentle shaking or automated powder shaker
- Cure at 110–160°C depending on equipment (oven, tunnel dryer, or inline shaker)
- Ensure powder melts evenly with smooth edges and no yellowing
- Proceed with heat pressing at 150–165°C for 8–15s based on fabric type

6. Storage & Handling

- Store in a cool, dry place at 10–30°C
- Keep sealed to avoid moisture absorption

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- Shelf life: 12 months under proper storage conditions
- Avoid direct contact with skin and eyes; use gloves when handling
- Use adequate ventilation during curing and pressing

7. Safety Notes

- TPU powder is non-toxic but avoid inhalation of dust
- Use protective masks and gloves in production
- Ensure exhaust ventilation in curing/pressing areas
- Dispose of waste according to local regulations

8. Contact

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