

## Shoe-Making Heat Transfer Film: Product Parameters & Application Scenarios



### I. Core Product Parameters (Shoe-Making Special)

#### 1. Basic Specifications

- Regular Thickness: 0.08mm ~ 0.15mm
- Regular Width: 1000mm, 1370mm, 1500mm (common width in the shoe material industry)
- Roll Length: 50m/roll, 100m/roll
- Base Material: PET Release Film, High-Temperature Resistant Bottom Film

#### 2. Material Classification Parameters

1. PU Heat Transfer Film: Good toughness, high elasticity, stretch-resistant, soft hand feel, suitable for bending parts of shoe uppers, wash-resistant and non-cracking.
2. TPU Heat Transfer Film: Strong adhesion, wear-resistant, scratch-resistant, cold-resistant and weather-resistant, suitable for bonding to shoe leather, mesh fabric and knitted fabric.
3. Laser Iridescent Heat Transfer Film: Mirror laser effect, iridescent reflection, scratch-resistant

coating on the surface, strong decorative performance.

4. Pattern/Embossed Heat Transfer Film: Three-dimensional texture, strong sense of texture, not easy to fall off after embossing and shaping.

### 3. Process Parameters

- Heat Transfer Temperature: 120°C ~ 160°C

- Heat Press Time: 8 ~ 15 seconds

- Applicable Pressure: Medium air pressure heat press bonding

- Temperature Resistance: No embrittlement at low temperature, no melting or shrinkage at high temperature

- Environmental Protection Level: Odorless, in line with shoe material environmental protection standards

- Performance: High stretch, bending-resistant, friction-resistant, color-fading resistant, wash-resistant



### 4. Suitable Fabrics

Mesh shoe uppers, knitted shoe uppers, microfiber leather, PU artificial leather, canvas, elastic shoe materials

### II. Application Scenarios (Shoe-Making Industry Special)

1. Sports Shoe Upper Decoration: Heat transfer of shoe logos, letter patterns, trendy patterns and gradient prints, replacing traditional screen printing, with clear patterns and no cracking.

2. Casual Shoes & Board Shoes: Large-area color transfer, geometric textures, solid matte/glossy film sticking, improving the appearance and texture of shoe uppers.

3. Running Shoes/Elastic Shoes: High-elastic transfer film is attached to the bending area, which does not edge off or peel off after repeated bending during walking and sports.

4. Children's Shoes Series: Heat transfer of cartoon patterns, iridescent laser and lovely patterns, with bright colors, safe, environmentally friendly and odorless.
5. Outdoor Shoes/Work Shoes: Wear-resistant and scratch-resistant transfer film, used for side logos and functional prints, resistant to outdoor friction and humid environments.
6. Shoe Accessory Parts: Heat transfer customization of tongue labels, heel logos, upper decorative strips, side stripes and brand logos.
7. Special Process Shoes: Exclusive surface transfer process for laser iridescent shoes, reflective warning shoes, three-dimensional pattern shoes and gradient trendy shoes.