

Premium Cotton Hot-Melt Counter Series | Product Introduction, Specifications & Applications



1. Product Introduction (Premium Cotton Hot-Melt Counter)

Jieshimei KPCP Premium Cotton Hot-Melt Counter is the company's globally patented "breathable" cotton counter. It is compounded with Italian technology, pure cotton base fabric, and eco-friendly low-temperature hot-melt adhesive, serving as an alternative to traditional chemical counters and water-based counters. It features breathability to prevent stiffness, eco-friendliness with no odor, stable shaping, high flex resistance, and superior comfort, making it the preferred shaping material for high-end women's shoes, leather shoes, and casual shoes.

Core Selling Points

Breathable & High Air Permeability: Pure cotton base allows moisture to pass through, eliminating stiffness and sweaty feet.

Low-Temperature Activation & High Production Efficiency: Activates at 80 – 100° C, compatible with automated production lines, saving energy and improving efficiency.

Eco-Friendly & Safe: Formaldehyde-free, toluene-free, and heavy metal-free, compliant with international footwear material environmental tests.

Stable Shaping & High Flex Resistance: Moderate hardness ensures toe/heel shape retention without deformation, cracking, or blistering even after long-term wear.

Long Open Time: Sufficient operational time after hot pressing, enabling excellent fit to curved surfaces with no bubbling.

2. Product Specifications (Standard)

2.1 Basic Parameters

Model No.: 8329# (Standard), 8101# (Soft), 8329# Low-Temp (Low-Temperature Version)

Structure: Pure cotton core + single/double-sided eco-friendly hot-melt adhesive layer (Polyurethane / PE / EVA series)

Thickness (Standard): 0.4mm, 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm (± 0.05 mm tolerance)

Colors: White, off-white, light coffee, sky blue (light blue)

Forms: Sheets (custom sizes), rolls (100m/roll)

Activation Temperature: 80 – 100° C (low-temperature type); 110 – 130° C (standard type)

Curing Time: 10 – 15 seconds (hot pressing)

Shelf Life: 2 years (stored in cool, dry conditions)

2.2 Physical Properties

Hardness (Shore C): 40 – 60 (soft), 60 – 80 (medium), 80 – 95 (hard)

Flex Resistance: $\geq 50,000$ cycles (no cracking)

Peel Strength: ≥ 3.5 N/mm (bonded to leather/upper)

Air Permeability: ≥ 300 g/(m² • 24h)

Yellowing Resistance: \geq Level 4 (UV test)

Environmental Compliance: REACH, RoHS, OEKO-TEX certified



3. Industries & Applications

3.1 Key Industries

High-End Women ' s Footwear: Fashion shoes, high heels, loafers, ankle boots (designated by Belle, Daphne, Staccato, etc.)

Premium Men ' s Footwear: Business leather shoes, casual leather shoes, formal shoes

Casual/Sneakers: Fashion sneakers, white sneakers, canvas shoes (breathable, comfortable, shape-retaining)

Children ' s Footwear: High-end kids ' leather shoes, princess shoes, functional shoes (soft, non-blistering, safe & eco-friendly)

Sports/Outdoor Footwear: Running shoes, hiking shoes, mountaineering shoes (heel support, toe shaping, impact resistance)

Work/Safety Footwear: Corporate work shoes, service industry work shoes (stable shape, durable comfort)

3.2 Typical Application Areas

Toe Box Lining: Prevents collapse, absorbs impact, maintains rounded toe shape

Heel Counter: Provides structural support, prevents blisters, resists walking impact

Vamp/Quarter Reinforcement: Prevents deformation, improves fit

Tongue Reinforcement: Prevents sagging, enhances comfort

3.3 Compatible Processes

Hot Press Shaping: Directly bonded to upper/liner via hot pressing, no additional adhesive required

Cold Lamination: Cold bonded with primer, suitable for low-temperature production lines

Automated Production Lines: Compatible with hot-melt adhesive machines and hot presses, improving efficiency by 30%+

4. Product Advantages (vs. Traditional Counters)

Traditional Water-Based Counters: Require soaking, softening, and drying; low efficiency; prone to mold and odor; not eco-friendly.

Traditional Chemical Counters: Contain toxic toluene solvents; poor breathability causes stuffiness; prone to brittleness and cracking.

Jieshimei Cotton Hot-Melt Counters: Low-temperature fast production + breathable & eco-friendly + stable shaping & flex resistance + comfortable & safe, the top choice for high-end footwear material upgrades.

5. Customization Services

Thickness Customization: Adjustable from 0.4 – 1.5mm as required

Hardness Customization: Three grades available: soft/medium/hard

Size Customization: Sheets (custom length/width), rolls (width 50 – 150cm)

Functional Customization: Special requirements such as anti-bacterial, anti-mold, anti-static, high resilience, etc.

