

Silver Ion Antibacterial Comforter Hypoallergenic Allergy-Friendly Quilt Microfiber Shell for Sensitive Sleepers

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: AYY Home Textile
- Certification: OEKO-TEX Standard 100, SGS Antibacterial Test
- Model Number: SI-AB-HYPO01
- Minimum Order Quantity: 100 Pieces
- Price: USD 18-32 per Piece
- Packaging Details: PVC zipper bag, vacuum compressed, 8 pcs per export carton
- Delivery Time: 25-30 Days
- Payment Terms: T/T, L/C at sight
- Supply Ability: 7000 Pieces per Month



Product Specification

- Shell Fabric: Silver Ion Treated Microfiber
- Fill Material: 100% Polyester Siliconized Fiber
- Fill Weight: 150gsm / 200gsm / 250gsm
- Antibacterial Rate: >99% (SGS Certified)
- Construction: Box Stitch
- Available Sizes: Twin, Full, Queen, King
- Color: White
- Care Instructions: Machine Washable, Tumble Dry Low
- Highlight: **Silver Ion Antibacterial Comforter**, **Hypoallergenic Microfiber Shell Quilt**, **Allergy-Friendly Comforter for Sensitive Sleepers**



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Product Description

This Hypoallergenic Silver Ion Antibacterial Comforter represents a significant advancement in sleep health technology, combining the natural antimicrobial properties of silver ions with premium bedding construction to create a cleaner and healthier sleep environment. Silver ions are permanently bonded to the microfiber shell at the molecular level during the fiber extrusion process, ensuring the antibacterial protection remains effective for the entire product lifespan rather than washing out after a few laundry cycles like topical chemical treatments. This technology actively inhibits the growth of bacteria, mold, and dust mites that commonly colonize traditional bedding materials, making this comforter an essential choice for allergy sufferers, asthma patients, and anyone seeking a fresher sleep environment.

Key Features

- **Permanent Silver Ion Technology:** Silver ions are integrated into the microfiber polymer matrix during fiber extrusion rather than applied as a surface coating, providing antibacterial protection with greater than 99% efficacy against common bacteria that persists through the entire product lifetime regardless of washing frequency.
- **SGS Certified Antibacterial Performance:** Independent laboratory testing by SGS has verified the antibacterial efficacy rate exceeds 99% against Staphylococcus aureus, Escherichia coli, and Candida albicans, providing documented third-party validation of the product's antimicrobial claims for retail and institutional buyers.
- **Hypoallergenic Barrier Properties:** The tightly woven microfiber shell creates a physical barrier against dust mite penetration and allergen accumulation, working synergistically with the silver ion treatment to provide comprehensive protection against the most common indoor allergens that trigger respiratory and dermatological reactions.
- **Odor-Resistant Sleep Surface:** By inhibiting the bacterial growth that causes fabric odor development, the silver ion technology maintains a fresher comforter between washes, reducing the frequency of laundering required and extending the aesthetic freshness of the bedding in daily use.
- **Skin-Friendly Microfiber Texture:** The ultra-fine microfiber filaments create an exceptionally smooth surface with minimal friction against sensitive skin, reducing mechanical irritation that can exacerbate dermatological conditions while the antibacterial properties address microbial triggers of skin sensitivity.

Technical Specifications

Parameter	Specification
Shell Fabric	Silver Ion Treated 100% Microfiber
Fill Material	100% Polyester Siliconized Fiber
Fill Weight Options	150gsm / 200gsm / 250gsm
Antibacterial Rate	Above 99% (SGS Certified, JIS L 1902)
Construction Type	Box Stitch Quilting
Available Sizes	Twin 66x90, Full 80x90, Queen 90x90, King 104x90 inches
Color	White
Season Rating	All-Season / Medium Weight

Applications

This antibacterial comforter is specifically designed for healthcare facilities, senior living communities, allergy-sensitive households, nurseries, and any environment where hygiene standards are paramount. The silver ion technology provides particular value in humid climates where microbial growth in bedding is accelerated, and in institutional settings where bedding is shared among multiple users over time. Pediatric hospitals and children's bedrooms benefit from the antimicrobial protection against common childhood illnesses, while dermatology clinics and wellness retreats appreciate the hypoallergenic properties for guests with sensitive skin conditions. The comforter also serves the growing consumer wellness market segment, where health-conscious buyers actively seek out products with documented antimicrobial benefits as part of their broader lifestyle approach to preventive health management.

Packaging & Quality Assurance

Each comforter is vacuum-sealed in a PVC zipper bag with eight pieces per export carton for efficient container utilization. All materials are certified under OEKO-TEX Standard 100 and the silver ion treatment is verified through SGS laboratory testing against JIS L 1902 antibacterial standards. Quality control includes silver ion concentration verification through atomic absorption spectroscopy, fabric antibacterial efficacy batch testing, and post-wash performance validation to confirm antimicrobial properties survive 50-plus wash cycles. We offer OEM private label manufacturing with custom antibacterial technology branding, bespoke packaging design for healthcare and retail channels, and flexible minimum order quantities for market testing and pilot programs in new distribution territories.

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