

Gel-Infused Microfiber Summer Comforter Lightweight Breathable Cooling Quilt for Hot Sleepers Queen Size

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: AYY Home Textile
- Certification: OEKO-TEX Standard 100, SGS
- Model Number: CG-SM-GEL01
- Minimum Order Quantity: 100 Pieces
- Price: USD 12-25 per Piece
- Packaging Details: PVC zipper bag, vacuum compressed, 10 pcs per export carton
- Delivery Time: 20-30 Days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 10000 Pieces per Month



Product Specification

- Fill Material: Gel-Infused Microfiber
- Shell Fabric: 100% Microfiber 90gsm
- Construction: Box Stitch
- Available Sizes: Twin, Full, Queen, King
- Color: White, Light Grey, Light Blue
- Season: Summer / Lightweight
- Moisture Wicking: Yes
- Care Instructions: Machine Washable
- Highlight: **Gel-Infused Microfiber Comforter**, **Lightweight Breathable Cooling Quilt**, **Queen Size Comforter for Hot Sleepers**



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Product Description

This Cooling Gel-Infused Microfiber Summer Comforter delivers a revolutionary sleep experience engineered specifically for hot sleepers and warm-climate environments. The integrated cooling gel technology actively draws excess body heat away from the sleep surface while the moisture-wicking microfiber shell rapidly evaporates perspiration for a consistently dry and refreshing feel throughout the night. Unlike traditional summer blankets that simply reduce insulation, this comforter actively manages thermal regulation through phase-change material science embedded directly into the fill fibers, creating a measurable cooling sensation that users can feel within minutes of use.

Key Features

- **Cooling Gel-Infused Fill:** Advanced gel-infused polyester fibers embedded with phase-change cooling particles actively absorb and dissipate body heat, creating a measurable temperature reduction of 2-4 degrees Celsius compared to standard microfiber fill materials of equivalent weight.
- **Moisture-Wicking Shell Fabric:** The 90gsm microfiber shell features a specialized capillary-action weave structure that rapidly transports moisture away from the body surface and accelerates evaporation, maintaining a dry and comfortable sleep environment even during humid summer nights.
- **Ultra-Breathable Box Stitching:** Precision box stitch quilting creates independent air channels between each compartment, allowing continuous airflow circulation throughout the comforter body while preventing fill bunching and maintaining consistent loft distribution.
- **Lightweight Summer Profile:** Engineered with a slim 150-200gsm fill weight profile that provides just enough coverage weight for comfortable sleep without the heavy bulk of traditional comforters, ideal for air-conditioned rooms and tropical climate zones.
- **Machine Washable Construction:** The entire comforter is fully machine washable and dryer safe, with colorfast fabric that resists fading and pilling through repeated laundering cycles, maintaining cooling performance and aesthetic quality for extended product lifetime.

Technical Specifications

Parameter	Specification
Shell Fabric	100% Microfiber 90gsm
Fill Material	Gel-Infused Cooling Polyester Fiber
Fill Weight Options	150gsm / 200gsm / 250gsm
Construction Type	Box Stitch Quilting
Cooling Technology	Phase-Change Material (PCM) Infused
Available Sizes	Twin 66x90, Full 80x90, Queen 90x90, King 104x90 inches
Color Options	White, Light Grey, Light Blue
Season Rating	Summer / Lightweight

Applications

This cooling comforter is purpose-built for hot sleepers, tropical and subtropical climate zones, summer-season hotel rooms, and healthcare environments where patient thermal comfort is essential. The gel-infused technology provides particular value in regions where air conditioning usage is limited or where consumers prefer lighter bedding that does not compromise on tactile comfort. The lightweight profile makes this comforter excellent for guest bedrooms, vacation rental properties, college dormitories, and any residential setting where nighttime overheating is a common complaint. Its machine-washable construction ensures practical maintenance for high-turnover hospitality operations while the colorfast fabric maintains a fresh and clean appearance through dozens of industrial laundering cycles.

Packaging & Quality Assurance

Each cooling comforter is vacuum-compressed and packed in a clear PVC zipper bag with ten pieces per reinforced export carton for optimized container loading efficiency. All materials are certified under OEKO-TEX Standard 100 for complete freedom from harmful chemical substances and the cooling gel technology has been independently verified through SGS thermal performance testing. Our quality control protocol includes cooling efficiency measurement using thermal imaging cameras, fabric tensile strength testing, and accelerated wash cycle durability validation for every production batch. We offer custom OEM packaging design, private label branding, and bespoke size configurations to meet the specific market requirements of international distributors and retail chains worldwide.

Anhui Chenyu Home Textile Co., Ltd.

+8613905603670 tracyliu2012@188.com ayyhometextile.com

Daguan Town, Tongcheng,Anhui,China