PATENT PENDING INNOVATION

Alksopol™

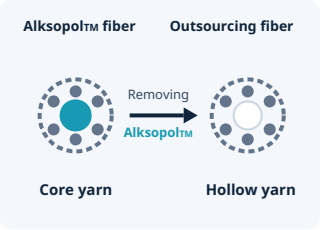
Breakthrough patent-pending product replacing existing soluble filaments (water and alkali soluble) with significant cost saving.

Saves 25% in Raw Material Cost

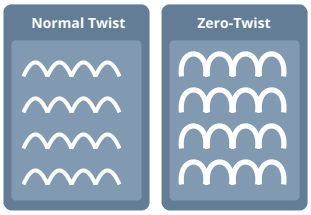
Next-generation soluble carrier filament for zero-twist yarns & luxury terry towels.

Available Deniers: 50D / 75D / 110D / 150D / Custom Deniers

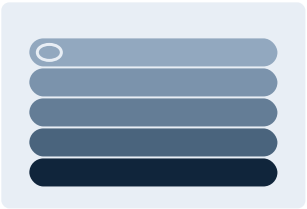
Applications: Zero-Twist Terry Towels • Hollow-Yarn Fabrics • Blended Yarns



Hollow Yarns
Alksopol™ Core Removal



Zero-Twist Yarns
Open Plush Fiber Loops



Zero-Twist Towels
Ultra-Soft Luxury Loft

VALUE PROPOSITION

Why Switch to Alksopol™?

Producing ultra-soft, high-absorbency zero-twist towels and specialty fabrics relies on soluble carrier filaments—yet existing water-soluble and alkali-soluble filaments drive up raw material costs and compress mill margins. Powered by JTE's patent-pending technology, Alksopol™ replaces both conventional filament types while cutting raw material costs by **25%**.

25% Raw Material Cost Saving

Directly lower your per-kilogram yarn production cost compared to existing water- and alkali-soluble filaments without sacrificing towel loft or softness.

Patent-Pending Drop-In Replacement

Engineered by JTE as a next-generation substitute for legacy soluble polymers, delivering reliable supply and consistent batch-to-batch performance.

Complete, Residue-Free Dissolution

Washes out cleanly during standard wet processing, leaving cotton fibers open, bulky, and ultra-absorbent with zero harsh residue.

TECHNICAL OVERVIEW

Engineered for Textile Performance

Replaces Water & Alkali Soluble Filaments

Versatile performance designed to substitute conventional PVA and alkali-soluble carrier yarns across existing spinning and weaving lines.

High Tensile & Weaving Efficiency

Withstands high-speed spinning, plying, and terry weaving tension with minimal yarn breaks and superior loom efficiency.

Product Specifications — Alksopol™	
Manufacturer	JTE
Technology Status	Patent Pending
Replaces	Existing water-soluble & alkali-soluble filaments
Cost Advantage	**Saves 25% in raw material cost**
Available Deniers	**50D / 75D / 110D / 150D / Custom deniers**
Dissolution Profile	Standard wet-processing bath
Package Type	Precision-wound industrial cones / bobbins

APPLICATIONS & VALUE

Ideal Textile Applications

Zero-Twist Terry Towels

Luxury bath towels, hand towels, and spa linens with unmatched plushness, loft, and rapid water absorption.

Hollow-Yarn Fabrics

Lightweight, breathable apparel, shawls, and premium home textiles requiring ultra-soft drape.

Specialty Blended Yarns

High-bulk cotton, bamboo, and modal blends needing temporary structural support during high-speed weaving.

Mill Economics Comparison
Existing Soluble Filaments: High raw material cost, tighter profit margins, and legacy polymer constraints.
Alksopol™ (Patent Pending): 25% lower raw material cost, high-speed weaving reliability, and clean wash-out.

PROCESS INTEGRATION

Seamless Integration in 3 Steps

Alksopol™ integrates directly into your existing textile manufacturing workflow without requiring capital equipment modifications.

STEP 01

Spin & Ply

Combine Alksopol™ filament with untwisted or low-twist cotton roving on your existing spinning or twisting frames for uniform yarn binding.

STEP 02

Weave at Full Speed

Weave terry loops or specialty fabrics at full loom efficiency with strong, break-resistant yarn integrity and low fly waste.

STEP 03

Wash & Finish

Dissolve Alksopol™ completely during standard wet-processing to reveal lush, ultra-soft zero-twist cotton loops.

PATENT PENDING INNOVATION

Cut Your Soluble Filament Costs by 25%

Ready to boost your mill's margins by replacing existing water- and alkali-soluble filaments? Contact the JTE technical textile team today to request a trial cone or bulk quotation.

EMAIL

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ALKSOPOL

Alksopol™ • Next-Generation Soluble Carrier Filament