

# COATS *ultimax*®

Coats *ultimax*® has a special locked filament construction that is engineered for higher uniformity and lower fault levels compared to spun polyester thread. Since it does not depend on twist for consolidation, Coats *ultimax* has better overall performance on automated straight or contour seamers where rethreading can be expensive.

COATS  
*ultimax*®



LOCKED FILAMENT  
POLYESTER



## Specialty Applications

- Flags
- Mattress serging, flanging and border stitching
- Mops
- Home furnishings

## Apparel Applications

- Waistband looper thread in stone-washed denims – Because of its low profile and oval cross section, COATS *ultimax* seams tend to “bed in” closer to the fabric – enabling waistbands to withstand aggressive denim washes with surprisingly low repair rates.
- Caps

Product Information



## Typical Applications by Tex

Tex Size	Application
27	Napkins
40	Flags, caps
60	Mattress serging/flanging/border stitching, flags, denim safety stitch
90	Denim waistband looper thread, mops
135	Upholstery

## Technical Data - Coats *ultimax*

Locked filament polyester

Tex	Approximate Single-End Strength (lbs.)	Approximate yds./lb.	Elongation (%)	Recommended Needle Size (Singer)
27	2.4	16,100	19.0	11-14
40	4.6	10,200	19.0	14-16
60	6.8	7,000	18.0	16-18
90	10.4	4,400	18.0	20-22
135	13.5	3,200	18.0	22-24

- New Tex size 45 developed for trials in LFP bedding market
- Put-ups available: 6000 yds. for colors, 12000 yds. and 18000 yds. on white
- New winding quality

## Physical and Chemical Properties of Fibers

**Heat:** Melts at approx. 260° C – does not support combustion

**Acids:** Good resistance to most mineral acids

**Bleaching:** Excellent resistance – superior to nylon

**Alkalis:** Good resistance to weak alkalis

**Organic solvents:** Resistant to most solvents

**Microorganisms (mildew, rot):** Excellent

**Moisture regain:** Low moisture absorption

**Sunlight (degradation):** Prolonged exposure causes some strength loss

## Color Range and Fastness

Color range Denim colors formulated

Dry heat-fastness (sublimation) Good

Lightfastness Good

Washfastness Excellent

Crockfastness Excellent

Dry-cleaning fastness Excellent

The above ratings are based on the standard color range and colorfastness provided with this brand. Ratings were derived by accepted test methods of the American Association of Textile Chemists and Colorists. Where special fastness requirements are needed, these may be tailored to suit individual specifications.



Quality that's locked in.

COATS *ultimax*® thread comes to you from the World of Coats, the world's largest supplier of industrial thread products. We have the unique ability to service our customers anywhere in the world with our global product offering, innovative technical solutions, creative ideas and superior customer service. All Coats products are backed by Coats Technical Service, which gives you expert, on-the-spot advice on your sewing problems, absolutely free of cost.