

Technical Data Sheet (TDS)

Durafil Heat Soluble Thread

Low Temperature Heat-Activated Temporary Stitching Thread

150 Denier | 1000m Kingspool

1. Product Description

Durafil Heat Soluble Thread is a low melting functional thread designed for temporary stitching, tacking, and positioning operations in garment manufacturing.

Used primarily as a bobbin thread, the product provides temporary seam holding during production. When suitable heat is applied during pressing or finishing, the thread softens and melts, eliminating or significantly reducing the need for manual removal of temporary stitches.

Primary use: replacing conventional tacking thread where later manual untacking is slow, costly, or carries risk of garment damage.

2. Key Benefits

- Eliminates or reduces manual untacking operations
- Helps save labour time and handling cost
- Reduces risk of garment damage from sharp cutters or blades
- Improves workflow speed through finishing stage

- Cleaner garment presentation after temporary stitching removal
 - Compatible with many existing sewing and pressing processes
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3. Typical Applications

- Temporary tacking in tailored garments
 - Hem positioning before final pressing
 - Pocket positioning during assembly
 - Collar and lapel temporary holding
 - Waistband positioning
 - Pleat control during sewing sequence
 - Structured garments requiring temporary alignment
 - Uniform and formalwear production
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4. Technical Specification

Property	Typical Value
Product Name	Durafil Heat Soluble Thread
Material	Low Melting Polymer Thread

Yarn Size	150 Denier
Package Type	1000m Kingspool
Colour	Natural
Activation / Melting Point	Approx. 70°C
Recommended Use Position	Bobbin Thread
Intended Function	Temporary stitching / heat removal

5. Processing Guidelines

Recommended trial conditions must be established by the user.

Typical use method:

- Use as bobbin thread in temporary stitching operation
- Complete normal garment assembly sequence
- Apply suitable heat during pressing / finishing stage
- Confirm thread melt/removal before final packing

Process variables affecting result:

- Actual temperature reaching thread position
- Press dwell time
- Pressure applied

- Fabric thickness and insulation effect
 - Stitch density
 - Seam construction
 - Pressing equipment type
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6. Fabric Compatibility

Suitable for trials on many garment fabrics, including:

- Polyester fabrics
- Polyester / viscose blends
- Cotton blends
- Wool blends
- Uniform fabrics
- Structured woven fabrics

Always conduct pre-production trials, especially on heat-sensitive or delicate fabrics.

7. Storage & Handling

- Store in cool, dry conditions
- Keep away from direct heat sources
- Protect from sunlight
- Keep packaging closed when not in use
- Rotate stock using first-in, first-out principle

Recommended storage temperature: below 30°C where practical.

8. Important Notes

This product is designed for temporary stitching applications where later heat removal is required.

Final performance depends on stitch construction, fabric type, machine settings, heat conditions, and process control.

Users are responsible for testing, process adjustment, and validation before bulk production.

9. Packaging Options

Available subject to order quantity:

- 1000m Kingspool
 - Alternative winding formats by request
 - OEM / private label supply for thread manufacturers
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10. Contact for Technical Support

Email: info@durafil-group.com