Temporary Holding During Pressing Operations

Durafil Water Soluble Thread (WST)

Technical Application Reference Document

1. Introduction

Temporary holding during pressing operations is a garment assembly process where fabric sections, folds, seams, or garment components must be temporarily stabilized prior to or during pressing procedures.

Pressing operations are commonly used in garment manufacturing to shape garments, stabilize folds, improve seam appearance, prepare assemblies for downstream sewing operations, and support dimensional consistency throughout production.

Because fabrics may shift or distort during handling and pressing, temporary stabilization is often required to maintain controlled positioning throughout the process.

Accurate temporary holding during pressing operations is important for:

- Garment appearance
- Fold consistency
- Seam alignment
- Shape control
- Production efficiency

Durafil Water Soluble Thread (WST) can be used as a temporary stitching solution during garment pressing operations.

After washing, the temporary stitches dissolve and disappear.

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2. Production Challenge

During garment manufacturing, fabric sections often require temporary stabilization before or during pressing operations.

Common production challenges include:

- Movement of fabric sections during pressing
- Shifting of folded constructions
- Distortion during handling between sewing stages
- Maintaining alignment of shaped garment areas
- Instability of lightweight or flexible fabrics

Factories traditionally use temporary stitches to stabilize garment sections before pressing and final sewing operations.

Because pressing operations involve heat, pressure, and repeated garment handling, maintaining stable fabric positioning throughout production can become difficult.

3. Traditional Method

In conventional garment production, temporary holding during pressing operations is often achieved using:

- Standard sewing thread
- Manual tacking
- Temporary holding stitches

After pressing and permanent sewing operations are completed, operators manually remove the temporary stitches.

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4. Limitations of Traditional Temporary Stitching

Manual removal of temporary stitching may create several production issues:

- Additional labour requirement
- Slower finishing operations
- Risk of accidental fabric damage
- Inconsistent removal quality
- Increased handling time

On lightweight or appearance-sensitive garments, manual stitch removal may increase the risk of:

- Surface damage

- Yarn pulls
- Distortion of pressed garment sections
- Marking
- Accidental cutting of the garment

Repeated handling during stitch removal may also disturb pressed folds and alignment.

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5. Durafil Water Soluble Thread (WST) Solution

Durafil Water Soluble Thread (WST) provides a temporary stitching solution for holding garment sections during pressing operations.

The thread behaves like a normal sewing thread during assembly and pressing operations, helping maintain fabric positioning throughout garment construction.

During washing, the temporary stitches dissolve and disappear.

This removes the need for manual stitch removal after pressing and sewing.

6. Typical Temporary Holding During Pressing Applications

Durafil Water Soluble Thread (WST) may be used in applications including:

- Folded garment stabilization during pressing
- Temporary seam holding before pressing
- Pleat stabilization during pressing operations
- Hem positioning during pressing
- Lightweight fabric stabilization
- Temporary shaping before permanent stitching

The thread may be used wherever temporary stabilization during pressing operations is beneficial during production.

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7. Operational Benefits

Using Durafil Water Soluble Thread (WST) for temporary holding during pressing operations can provide several operational advantages.

Improved Fabric Stability During Pressing

Temporary stitches help maintain accurate positioning of garment sections during pressing and handling operations.

Reduced Manual Labour

Because the temporary stitches dissolve during washing, manual stitch removal operations can be reduced.

Reduced Risk of Fabric Damage

Because temporary stitches dissolve during washing, the risk associated with manual cutting or pulling of stitches is reduced.

This is particularly beneficial for:

- Lightweight fabrics
- Delicate fabrics
- Folded garment constructions
- Tightly woven fabrics
- Appearance-sensitive garment areas

Improved Production Flow

Pressing and garment assembly operations can proceed without requiring a separate stitch removal operation after sewing.

Cleaner Garment Finishing

After washing, the temporary stitching disappears, leaving only the permanent garment construction.

8. Garment Types

Temporary holding during pressing operations using Durafil Water Soluble Thread (WST) may be suitable for:

- Shirts
- Trousers
- Uniforms
- Jackets
- Fashion garments
- Appearance-sensitive garment constructions

Production trials are recommended for specific garment constructions and pressing conditions.

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9. Production Outcome

Using Durafil Water Soluble Thread (WST) in pressing stabilization operations may help garment manufacturers:

- Simplify assembly workflow
- Reduce manual finishing operations
- Improve pressing consistency
- Reduce handling complexity

- Improve operational efficiency

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10. Related Application Areas

Additional temporary stitching applications may include:

- Temporary hem stabilization
- Pleat stabilization
- Temporary seam holding
- Cuff positioning
- Multi-layer fabric positioning

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11. Disclaimer

Performance depends on garment construction, washing conditions, pressing conditions, and production processes.

Users are responsible for conducting suitability trials under actual production conditions prior to commercial use.

12. Technical Support

For technical information regarding Durafil Water Soluble Thread (WST):

Email - info@durafil-group.com