

Customer Support & Education

Durafil Heat Fusible Yarn

Tex 40 | Low Melting Polyamide | Natural Colour

Technical Guidance for Thermal Bonding, Reinforcement, and Converting Applications

1. Technical Support Scope

Durafil provides technical guidance for:

- Product selection for textile and industrial uses
- Rewinding / converting suitability
- Sewing and assembly application guidance
- Heat activation trial support
- Bonding performance optimisation
- Material compatibility review
- Storage and handling support
- Troubleshooting assistance

Support is advisory and based on product knowledge, application experience, and process logic.

2. Pre-Purchase Technical Clarification

Before purchase, customers may request clarification on:

- Product specification
- Yarn count and construction
- Activation temperature range
- Suitable applications
- Rewinding suitability
- Package formats
- Batch traceability
- Available technical documents

Technical Data Sheets and application guides are available to support evaluation.

3. Trial & Validation Guidance

Durafil strongly recommends controlled trials before bulk production.

Trial areas should include:

- Rewinding performance
- Sewing / assembly running behaviour
- Bonding strength after heat activation

- Appearance after cooling
- Flexibility of bonded area
- Wash or use durability where relevant
- Productivity suitability

Production approval should only follow successful trials.

4. Education Focus Areas

Durafil educates customers on:

- How low melting polyamide behaves differently from standard yarns
- Influence of heat, pressure, and dwell time
- Importance of cooling after activation
- Causes of weak bonding
- Causes of stiffness or strike-through
- Material compatibility differences
- Rewinding discipline for stable packages
- Process discipline for repeatable results

Technical bulletins may be provided where required.

5. Limitations of Support

Durafil does not control:

- Machine condition
- Operator skill level
- Rewinding equipment condition
- Sewing machine setup
- Press calibration
- Material construction of end product
- Production speed pressure
- Final factory process discipline

Final responsibility for production suitability remains with the customer.

6. Ongoing Technical Communication

Customers are encouraged to provide:

- Trial feedback
- Material type details
- Sewing or rewinding equipment used
- Heat settings used

- Photos of results
- Bonding concerns
- Productivity observations
- Final use requirements

This enables faster troubleshooting and more precise recommendations.

7. Documentation System

All official documents are version-controlled and may include:

- Technical Data Sheet
- Application Notes
- Processing Guide
- Troubleshooting & Performance Guide
- Storage & Logistics Guidelines
- Packaging Specification
- Safety Data Sheet (SDS)
- Material Behaviour & Chemistry Guide
- Customer Support & Education
- Certifications / Compliance Documents

Customers should ensure they are using the latest version.

8. Best Results Framework

For best results:

- Conduct small trials first
 - Standardise approved settings
 - Train operators
 - Monitor first production runs
 - Keep rewinding quality consistent
 - Record successful conditions by application
 - Review outcomes regularly
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9. Contact for Technical Support

For technical queries:

Email: info@durafil-group.com

10. Important Note

Durafil Heat Fusible Yarn performance depends on storage control, processing conditions, material compatibility, and process discipline.

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