

Customer Support & Education

Durafil Heat Soluble Yarn

150 Denier | Approx. 70°C Melting Point | Natural Colour

Technical Guidance for Separation Yarn, Temporary Structures, and Controlled Heat Removal

1. Technical Support Scope

Durafil provides technical guidance for:

- Product selection for knitting, weaving, hosiery, and technical textile uses
- Separation yarn application design
- Temporary join and spacing structure guidance
- Yarn handling and storage recommendations
- Heat removal trial support
- Productivity optimisation assistance
- Residue reduction guidance
- Troubleshooting support

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

2. Pre-Purchase Technical Clarification

Before purchase, customers may request clarification on:

- Product specification
- Yarn size and construction
- Melting / softening behaviour
- Suitable applications
- Package formats
- Batch traceability
- Trial recommendations
- 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:

- Knitting / weaving running performance
- Temporary joining or spacing effectiveness
- Structural stability during production

- Heat removal efficiency
- Clean separation result
- Final fabric appearance
- Productivity suitability

Production approval should only follow successful trials.

4. Education Focus Areas

Durafil educates customers on:

- How low melting yarn behaves differently from permanent yarns
- Why construction design affects removal performance
- Influence of heat, airflow, and exposure time
- Causes of incomplete separation
- Causes of surrounding fabric distortion
- Why excessive yarn use may reduce efficiency
- Handling discipline for stable running performance
- 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
- Yarn path condition
- Knitting or weaving settings
- Product design decisions
- Heat equipment calibration
- Production speed pressure
- Final finishing methods

Final responsibility for production suitability remains with the customer.

6. Ongoing Technical Communication

Customers are encouraged to provide:

- Trial feedback
- Article construction details
- Machine type used
- Heat process settings

- Photos of results
- Separation 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
 - Use only required yarn quantity
 - Record successful conditions by article type
 - 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 Soluble Yarn performance depends on storage control, processing conditions, construction design, and process discipline.

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