

Safety Data Sheet (SDS)

Durafil Heat Fusible Yarn

Tex 40 | Low Melting Polyamide | Natural Colour

Prepared for Industrial and Professional Use

1. Product Identification

Item	Description
Product Name	Durafil Heat Fusible Yarn
Product Type	Functional Bonding / Reinforcement Yarn
Material	Low Melting Polyamide
Intended Use	Thermal bonding, reinforcement, stabilisation, rewinding, sewing and assembly applications
Supplier	Durafil

2. Hazard Identification

Under normal storage and handling conditions, this product is generally considered a manufactured textile article with low hazard risk.

Potential risks may arise during processing involving heat or machinery.

Possible hazards:

- Burns from hot equipment or heated material
 - Fumes if overheated or thermally degraded
 - Mechanical entanglement with rotating equipment
 - Minor cuts or abrasion from packaging materials
 - Slip hazard if waste yarn accumulates on floors
-

3. Composition / Information on Ingredients

Component	Description
Main Material	Low melting polyamide polymer yarn
Colour	Natural
Additives	May contain normal textile processing additives

Exact formulation may vary by production batch.

4. First Aid Measures

Inhalation

If fumes from overheating are inhaled:

- Move person to fresh air
- Seek medical advice if irritation continues

Skin Contact

For hot melted material contact:

- Cool affected area with clean water
- Do not forcibly remove adhered molten polymer
- Seek medical attention if required

Eye Contact

If dust or particles enter eye:

- Rinse cautiously with clean water
- Seek medical advice if irritation continues

Ingestion

Not intended for ingestion. Seek medical advice if necessary.

5. Fire Fighting Measures

Suitable extinguishing media:

- Water spray
- Foam
- Dry chemical
- Carbon dioxide

Combustion may generate smoke and decomposition fumes.

Firefighters should use suitable protective equipment.

6. Accidental Release Measures

For spilled yarn, cones, or packages:

- Collect mechanically
- Keep floors clear to prevent slipping
- Dispose according to local regulations

No special environmental emergency measures normally required.

7. Handling and Storage

Handling

- Use normal industrial hygiene practices
- Keep work area tidy
- Avoid overheating during processing
- Avoid loose yarn near moving machinery
- Use suitable guarding on rewinding equipment
- Prevent accumulation of waste yarn on floors

Storage

- Store in cool, dry area
 - Protect from direct sunlight
 - Keep away from heat sources
 - Keep packaging closed when not in use
 - Protect from crushing and contamination
-

8. Exposure Controls / Personal Protection

Under normal use, special PPE is not normally required.

Where heated processing creates fumes or hot surfaces:

- Use suitable ventilation
 - Use heat protection where appropriate
 - Wear eye protection if required by machinery process
 - Follow factory safety procedures
-

9. Physical and Chemical Properties

Property	Typical Description
Appearance	Yarn on cone / package
Colour	Natural
Odour	Mild / none
Material	Low melting polyamide
Softening / Activation Range	Approx. 80–90°C
Nominal Melting Point	Approx. 85°C
Water Solubility	Not water soluble

10. Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Excessive heat
- Open flame
- Strong oxidising chemicals
- Thermal degradation temperatures

Hazardous decomposition may occur if severely overheated.

11. Toxicological Information

No known significant hazard under intended industrial use as supplied.

Primary risks are process-related:

- Thermal burns
- Irritation from decomposition fumes if overheated
- Mechanical handling risks

12. Ecological Information

Dispose responsibly according to local regulations.

Do not intentionally release large quantities into the environment.

13. Disposal Considerations

Dispose of waste yarn, packaging, and contaminated material in accordance with local regulations.

Industrial users should follow site waste procedures.

14. Transport Information

Not normally classified as dangerous goods for standard transport.

Protect from:

- Excessive heat
- Crushing
- Water damage
- Sun exposure during transit

15. Regulatory Information

Users are responsible for ensuring compliance with local workplace, environmental, and product regulations relevant to their jurisdiction.

16. Other Information

This SDS is provided as general guidance for professional users.

Durafil Heat Fusible Yarn performance depends on suitable storage, correct processing temperatures, and proper operational control.

Final suitability under actual production conditions remains the responsibility of the user.

17. Contact for Technical Support

For technical queries:

Email: info@durafil-group.com