



# Coats® Low Melt Threads

Coats Hemseal Fusion and Coats Hemseal are two fusible thread products with specific characteristics designed for creating secure seams using standard sewing machinery as an alternative to bonded seams

**COATS**  
*Hemseal™*  
*Fusion*



CO-POLYAMIDE  
MONOFILAMENT

**COATS**  
*Hemseal™*



85% CO-POLYAMIDE  
15% POLYESTER

2026

## **Coats Hemseal™ Fusion**

Coats Hemseal Fusion is the first generation fusible low-melt thread from Coats. It creates secure, flat and discreet seams, similar to bonded seams but without the need for special bonded seams technology.

## **Coats Hemseal™**

Coats Hemseal is the coarse-sized, fusible low-melt thread from Coats which is simply channeled inside the overlock stitch formation. It creates a reliably secure hem on medium weight fabrics after seam turning and heat pressing.





### Why choose Coats Hemseal™ Fusion?

- First generation fusible thread from Coats
- Secure, flat and discreet seams, similar to bonded seams but without the need for special bonded seams technology.
- Cost effective, high speed flat seam engineering
- OEKO-TEX® STANDARD 100, Product Class I

### Main Uses:

- The production of neat, comfortable overlocked seams
- Flexibility in manufacturing short length and curved “bonded seams” using existing machine park
- Attach trims to fabrics to deliver neat appearance with no stitching lines visible on the exterior of the garment
- Securing hems on lightweight fabrics, for skirts and dresses and trousers

### Hemseal Fusion Product Range

| Article Ticket | Ticket | Tex | Length  | Average Strength cN | Elongation % Min - Max | Melting Temperature °C |
|----------------|--------|-----|---------|---------------------|------------------------|------------------------|
| FTL2180        | 180    | 16  | 2,000 M | 500                 | 40 - 80                | 85 °C                  |
| FT02180        | 180    | 16  | 2,000 M | 500                 | 40 - 80                | 110 °C                 |
| FT01070        | 070    | 40  | 1,000 M | 1,300               | 45 - 85                | 110 °C                 |

### Areas of Application

#### 1. Flat and discreet seams

Similar to bonded seams but without the need for special bonded seams technology. When Coats Hemseal Fusion is used on one of the overlock loopers the overlock seams can be folded and pressed to deliver flat, comfortable next-to-skin overlocked seams with no loose fabric edges.



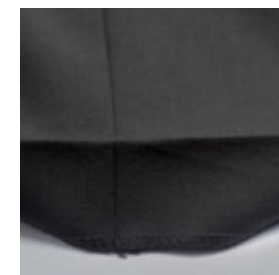
Use Hemseal Fusion in only one of the loopers of the serging operation. Then turn the seam and secure by pressing with heat to activate the low melt component of the thread. The result is a clean, secure hem with no bulkiness / pressing mark on the front side of the fabric.

#### 2. Secure and stick hems - lightweight fabrics

Hemseal Fusion is fine and discreet. It is suitable for hemming on fine woven fabrics and in tailoring.

Good to know: Some manufacturers additionally use a blind stitch for double hem security.

**Good to know:** Using Hemseal Fusion has the added advantage that the length of the garment can be adjusted after purchase. This is particularly beneficial for children's schoolwear. If there is a blind-stitch, it should be unpicked first. Use a domestic iron slightly below the melting temperature of the thread. Apply the iron on the serged hem. The low melt component of the Hemseal Fusion thread is re-activated and can be pressed back into place at a shorter or longer length of garment as required.





### Why choose Coats Hemseal™?

- Delivers additional security to the hem for medium weight fabrics
- Helps to eliminate a major cause of customer complaint
- Reduces repairs
- Reduces the cost of returns
- OEKO-TEX® STANDARD 100, Product Class I

### Main Uses:

- Securing hems on trousers
- For medium weight fabrics

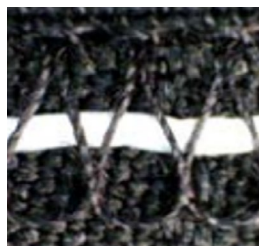
### Hemseal Product Range

| Article Ticket | Ticket | Tex | Length  | Average Strength cN | Elongation % Min - Max |
|----------------|--------|-----|---------|---------------------|------------------------|
| FH01020        | 20     | 135 | 1,000 M | 2,400               | 16 - 28                |

### Areas of Application

#### Secure and stick hems - medium weight fabrics

Coats Hemseal is channelled inside the overlock stitch formation of the hem. The hem is then turned and pressed Coats Hemseal is perfect for medium weight fabrics, creating a durable, clean, high-quality seam finish.



Three thread overlock, stitchtype 504:  
Laid in thread: Coats Hemseal FH0102  
Needle & loopers: Coats EcoVerde Epic Supermax Tkt 180 / Tex 18

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*Hemseal™*



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### Expert Real World Support

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



#### Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



#### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



#### Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



#### Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.



#### Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

### Chemical Properties

|                                        |                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mineral acids:                         | Polyester: is resistant to most mineral acids<br>Co-polyamide: is decomposed by mineral acids but is resistant to weak acids                                                      |
| Alkalis                                | Polyester: essentially unaffected by weak alkalis, but is less resistant to stronger alkalis, especially at higher temperatures<br>Co-polyamide: has a high resistance to alkalis |
| Organic solvents                       | Polyester: generally unaffected, but is soluble in some phenolic compounds<br>Co-polyamide: generally unaffected by organic solvents                                              |
| Bleaching                              | Polyester: generally unaffected<br>Co-polyamide: may be subjected to deterioration, dependant on the conditions                                                                   |
| Insects / microorganisms (mildew, rot) | Unaffected / Resistant to rot and mildew                                                                                                                                          |
| Laundrying / dry cleaning              | Generally unaffected                                                                                                                                                              |

### Thermal Properties

Polyester melts at 250°C to 260°C and softens at 220°C to 230°C.

Co-polymer polyamide melts at 110°C, softens at 90°C.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [www.coats.com](http://www.coats.com)

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