

# Coats® Itero™ TC

Coats Itero TC is a versatile TPU coated polyester embroidery thread with a thermoplastic polyurethane extruded coating, which is ideal for machine embroidery applications on footwear, apparel and accessories. When heat is applied onto the surface of the embroidery, the embroidery turns into a characteristic embossed effect. Itero TC can create a similar look to PVC patches without being harmful to the environment. Since it is applied as an embroidery application followed by a fusing operation, it gives design flexibility and can improve productivity.

COATS

*itero tc*



TPU  
EXTRUDED  
POLYESTER

## WHY CHOOSE COATS ITERO TC?

- Decorative embroidery thread, which is ideal for apparel, footwear and accessories
- Available in coloured configuration (choose from 8 shades)
- Outstanding 2D embossed effect after fusing is applied
- Apply heat and fuse the TPU, creating smoother, durable and outstanding effect on embroidery applications
- Available to use on all standard materials

## MAIN USES

- Footwear
- Outdoor goods, bags, luggage and suitcase
- Accessories
- Apparel






# Coats Itero TC

## PRODUCT RANGE

Art/Tkt	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max
7111060	60	50	1,000m	700	9 - 16

## SHADE RANGE

CW16B	CW16E	CW16G	CW16J	CW16K	CW16L	CW16P	CW16R
							

## FUSING RECOMMENDATIONS

Recommended temperatures, pressures and time for heating of the TPU:

Heat press machine: Hashima HP-1000 LW (note that this machines is double presse straight linear fusing press used for APP interlining materials) Different press machines can be used, but parameters would change. This should be tested as part of the development process.

Temperature: 180 degree

Press time: 26 second

Press force: 3 kg.

## FASTNESS PROPERTIES

Water Fastness	ISO 105 E01	Min. Grade 4
Rub Fastness	ISO 105 X12	Min. Grade 4
Wash Fastness	ISO 105-C10C:2006	Min. Grade 4

## PRODUCT LIMITATIONS

The standard embroidery programs as used for normal embroidery threads cannot be used, as a result new programs are required to be made for each design and the optimum stitch density is 0.4mm depending on materials type applied



Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2020

# Coats Itero TC

## 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.



### 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.

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/itero-tc](http://www.coats.com/itero-tc)



TPU  
EXTRUDED  
POLYESTER

Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2020

