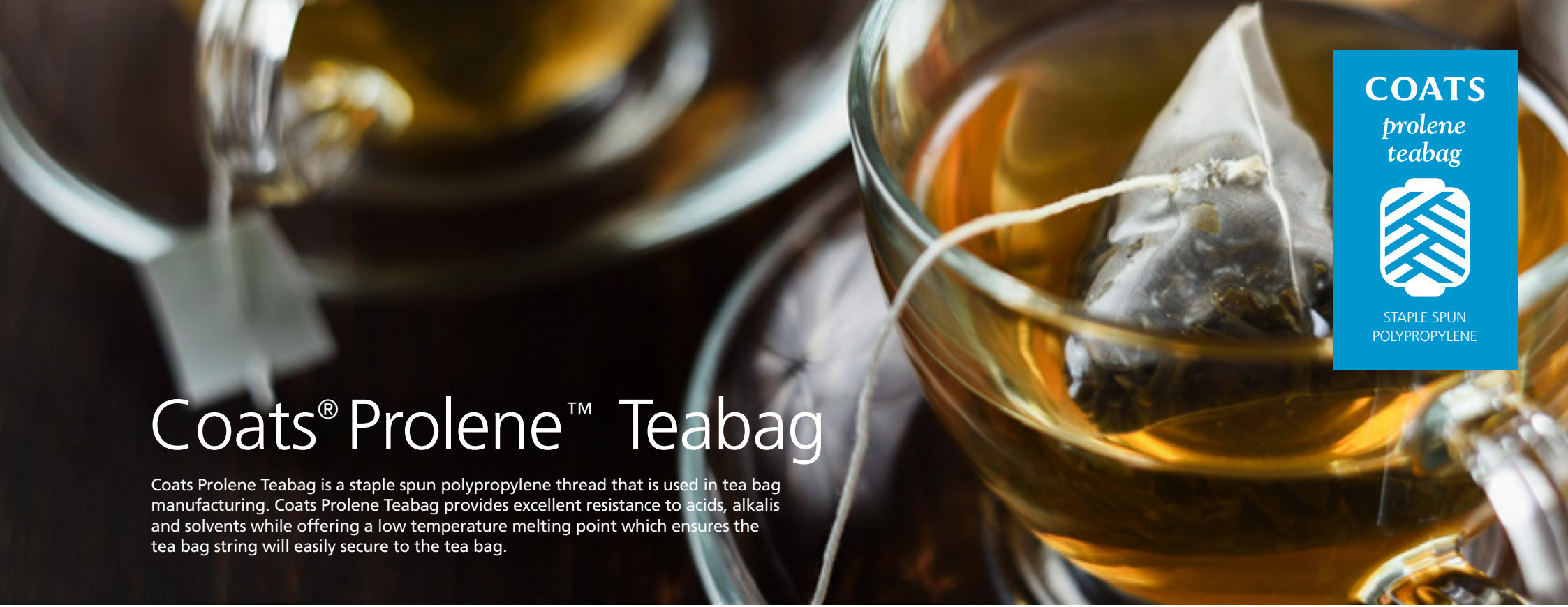

COATS
prolene
teabag

STAPLE SPUN
POLYPROPYLENE

Coats® Prolene™ Teabag

Coats Prolene Teabag is a staple spun polypropylene thread that is used in tea bag manufacturing. Coats Prolene Teabag provides excellent resistance to acids, alkalis and solvents while offering a low temperature melting point which ensures the tea bag string will easily secure to the tea bag.

WHY CHOOSE PROLENE TEABAG?

- Melts at low temperatures
- Lean, level, and consistent thread allowing
- High speed production
- Has little to no taste
- Meets Coats restricted substance list

MAIN USES

- Pyramid tea bags

PRODUCT RANGE

TEX	Ticket	Dtex /Ply	Strength cN	Elongation % Min - Max
150	20	250 x 6	2667	20 - 35
180/200	15	250 x 8	3894	20 - 40
130	24	330 x 4	2555	20 - 35

Tea bag threads can be customised for specific machines and are available with transfer tails in both zS and sZ twist directions.

ENVIRONMENTALLY FRIENDLY TEA BAG THREAD PRODUCTION

Coats global environmental policy takes a proactive view to the environment and protecting the world we live in. Coats tea bag threads meet all the below industry standards:

- BRC / IoP
- US-FDA:177-2800
- Oeko Tex 100
- ISO certification

COATS

Coats Prolene Teabag

CHEMICAL PROPERTIES

Mineral acids:	Excellent resistance (no attack) to dilute and concentrated mineral acids
Alkalis:	Excellent resistance (no attack) to dilute and concentrated alkalis
Organic solvents:	Excellent resistance
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Flammability:	Low flammability
UV rays:	Poor UV resistance
Moisture regain:	0%; Low moisture absorption rate
Staining:	Resistant to staining

THERMAL PROPERTIES

Melts at 170°C, softens at 150°C
Shrinkage of a maximum 10% at 110°C

OTHER PRODUCTS IN THE PROLENE RANGE

To complement the Prolene range, we also have a selection of specialist Prolene threads. Each of these combines the superior properties of the Prolene product with additional benefits specific to the end use.

Product Name	Description
Prolene	Polypropylene sewing thread that is resistant to acids, alkalis, solvents and hydrolysis up to 90°C and is ideal for sewing filter and industrial bags.

Special use Prolene products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.

EXPERT REAL WORLD SUPPORT

The final cost of any product 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 product selection 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.

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 product 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 **coats.com**

STAPLE SPUN POLYPROPYLENE