

Coats® Opti S HydroF™

Opti S HydroF zips combine strength, security and the unique flat appearance of Opti S technology with a specially formulated PFC free PU film for the highest level of protection from water penetration in its class.

These zips are ideal for applications involving heavier loads and frequent zipping and unzipping operations.

COATS
opti s
hydrof



HYDROPHOBIC
PU COATED
SPIRAL ZIP

WHY CHOOSE OPTI S HYDROF?

- PFC free PU hydrophobic zips, offering the highest level of protection from water penetration for its class
- Designed with no space between the tapes for optimum water repellency and high abrasion resistance
- Combines strength, security and the unique flat appearance of Opti S technology with the zero distance tape, ensuring no back grin.
- Ideal for applications involving heavier loads and frequent zipping and unzipping operations

MAIN USES:

- Outdoor apparel
- Luggage
- Footwear
- Outdoor goods
- Backpacks
- Mattresses

PRODUCT RANGE

Product	Non-lock	Auto-lock	Flat-lock	Chain Width	Chain Thickness	Single Tape Widths	Length of Tape Ends
S40 (#3) – Continuous Chain [CC]	Yes	Yes	No	4mm	1.53 +/- 0.5mm	12mm	–
S40 (#3) – Closed End [CE]	Yes	Yes	No	6mm	1.5mm	12mm	Top: 20±4 mm Bottom: 16±4mm
S40 (#3)- Two Way Closed End X-Form (2WCE X)	Yes	Yes	Yes	4mm	1.5mm	12/16mm	Top: 18±4 mm bottom: 18±4mm
S40 (#3)-Two Way Closed End O-Form _2WCE O)	Yes	Yes	Yes	4mm	1.5mm	12/16mm	Top: 18±4 mm bottom: 18±4mm
S60 (#5) – Continuous Chain [CC]	Yes	Yes	No	6mm	1.97+/- 0.05mm	16mm	–
S60 (#5) – Closed End [CE]	Yes	Yes	Yes	6mm	1.9+/- 0.05mm	16mm	Top: 21±2 mm Bottom: 21±2mm
S60 (#5) – Open End [OE]	Yes	Yes	Yes	6mm	1.9+/- 0.05mm	16mm	Top: 21±2mm
S60 (#3)- Two Way Closed End X-Form (2WCE X)	Yes	Yes	Yes	6mm	1.9mm	16/21mm	top: 21±2 mm bottom: 21±2mm
S60 (#3)-Two Way Closed End O-Form _2WCE O)	Yes	Yes	Yes	6mm	1.9mm	16/21mm	top: 21±2 mm bottom: 21±2mm
S80 (#8) – Continuous chain [CC]	Yes	No	No	8mm	2.3+/-0.05 mm	17mm	–



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FASTNESS

		Change	Staining
Washing 60° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	–
Rubbing wet	(ISO 105-X12)	–	4
Rubbing dry	(ISO 105-X12)	–	3...4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

STANDARDS

EN 16732	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1	QM System according BS EN ISO 9001:2008

Opti S HydroF meets Class I - Spray and rain tests simulating exposure to rain:

AATCC Test Method 22

Water-Repellency: Spray Test, which is technically equivalent to ISO 4920 and BS EN 24920 and DIN EN 24920.

AATCC Test Method 35

Water Resistance: Rain Test, which is technically similar to ISO 22958.



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TAPE OPTIONS



Matt



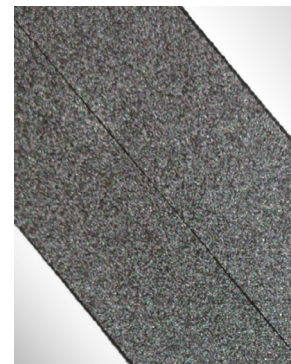
Shiny



Picta



Creamy



Signal



AW (anti-wick finish)

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 2019



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S40: FEATURES

	S40 CC	S40 CE
PFC free woven polyester tape with PU coating film	X	X
Slider body and puller material - die casted zinc, puller also available in Stamped / Pressed Steel and Brass.		X
Top stops and bottom stops can be metal or ultrasonically welded		X



S40: QUALITY

Attributes	S40 CC	S40 CE
Lateral strength	> 392 N	> 392 N
Lateral strength after reciprocation	> 353 N	> 353 N
Operating force	< 7 N	< 7 N
Reciprocation (durability)	> 500 cycles	> 500 cycles
Pull off strength of puller	–	> 90 N
Slider locking strength	–	> 20 N
Slider over top stops	–	> 78 N
Lateral strength of bottom stop	–	> 78 N
Slider against bottom stop	–	> 60 N

(The quality data represent minimum performance levels)



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S60: FEATURES

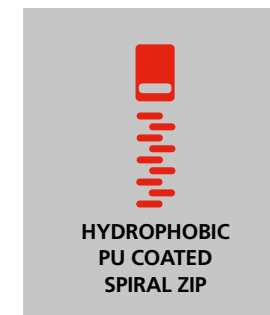
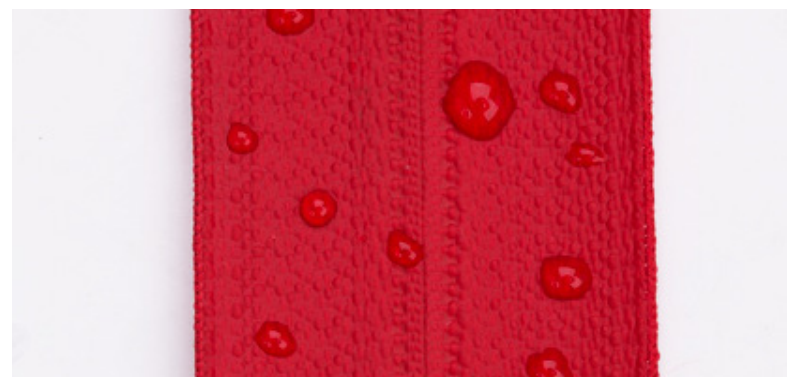
	S60 CC	S60 CE	S60 OE
Woven polyester tape, coated on the back side with a specially formulated PU film. This coating gives the zip its hydrophobic properties.	X	X	X
Top stop and bottom stops – metal or plastic.		X	X
Slider body and puller out of die casted zinc.		X	
Open end components out of zinc.			X



S60: QUALITY

Attributes	S60 CC	S60 CE	S60 OE
Lateral strength	> 700 N	> 700 N	> 700 N
Lateral strength after reciprocation	> 650 N	> 650 N	> 650 N
Operating force	< 7 N	< 7 N	< 7 N
Reciprocation (durability)	> 3000 cycles	> 3000 cycles	> 3000 cycles
Pull off strength of puller	–	> 245 N	> 245 N
Slider locking strength	–	> 49 N	> 49 N
Slider over top stops	–	> 117 N	> 117 N
Lateral strength of bottom stop	–	> 120 N	–
Lateral strength of open end	–	–	> 117 N
Slider against bottom stop	–	> 117 N	–
Box pull off strength	–	–	> 80 N

(The quality data represent minimum performance levels)



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S80: FEATURES

S80 CC

- Woven polyester tape, coated on the back side with a specially formulated PU film. This coating gives the zip its hydrophobic properties.



S80: QUALITY

Attributes	S80 CC
Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Operating force	< 7 N
Reciprocation (durability)	> 3000 cycles

(The quality data represent minimum performance levels)



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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 technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit coats.com/en/Products/Zips/Opti/Opti-S-HydroF



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