



HALYARD* STERILIZATION WRAP

THE HALYARD* STERILIZATION WRAP ADVANTAGE

Since the introduction of single-use sterilization wrap, health professionals have looked to the market leader for the resources, innovation and high performance solutions you need.

When it comes to your sterilization packaging, preserving sterility means protecting your patient. HALYARD* Sterilization Wrap with KIMGUARD* Fabric Technology was the first wrap to receive FDA clearance for all standard sterilization methods¹, providing you with the reliable solution that you need for optimal patient care and protection.

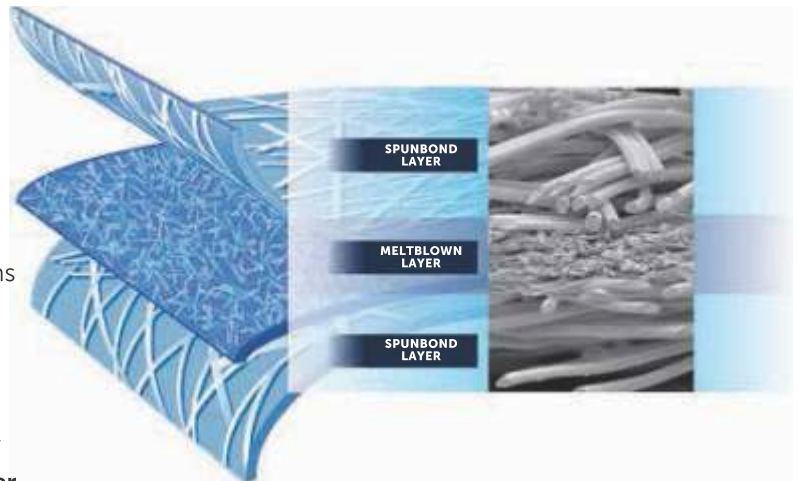
PROTECTION THROUGH STRENGTH

HALYARD* Sterilization Wrap is made out of polypropylene using a five layer (Spunbond-Meltblown-Meltblown-Meltblown-Spunbond) process; the outer layers of the sterilization wrap provide exceptional strength and durability.

The inner multi-layers of Meltblown fibres provide an optimal barrier to bacteria and liquids while allowing penetration of gas sterilants (steam, ethylene oxide and plasma). The technical definition of layers differs from that of sheets.

Typical examples of the Spunbond/Meltblown/Spunbond are SMS, SSMMS, and SMMS – abbreviations referring specifically to layer configuration, not number of sheets.

It is not possible to differentiate between the number of meltblown layers; **with everything else equal only the meltblown content (thickness) determines barrier properties – not the number of layers.**



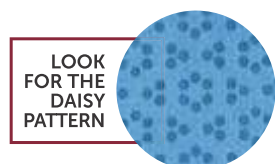
CONFIDENCE

All HALYARD* sterilization packaging materials are CE-marked and meet AS/NZS 4187 Standards, complying to EN ISO 11607 using tests from EN 868-2.

Next to being strong and being an excellent bacterial barrier, all HALYARD* Sterilization Wrap products have been tested to ensure they meet the Optimum Balance Properties.^{3,4}

YOUR CHECKLIST FOR THE OPTIMUM BALANCE OF PROPERTIES:^{3,4}

Performance Attribute	Clinical Significance
Allows the sterilant to penetrate	• Appropriate sterilization
Allows air to pass through	
Resists water penetration	• Infection prevention • Barrier efficacy
Resists microbial penetration	
Low linting	
Resists tears, punctures, and abrasion	• Permits aseptic delivery of contents to the sterile field • Fire safety
Does not have excessive "memory"	
Resists ignition / fire	



PROTECTION THROUGH AN OPTIMAL BACTERIAL BARRIER

HALYARD* sterilization packaging material is treated with unique POWERGUARD* Technology. The Halyard process infuses the wrap fabric with unique electric micro-fields surrounding the meltblown fibres.

This varied network of charged fibres forms gradients within the fabric structure, enabling it to be highly effective at microbial capture and retention – so essential in preventing fibre release of captured contaminants over time.

The POWERGUARD* treatment is fabric neutral (pluses and minuses staying separated) and maintains these high capture and retention properties through sterilization, manipulation and storage.



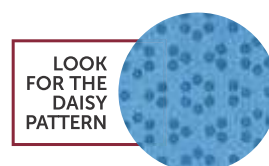
These images illustrate the effect of POWERGUARD* on sterile barrier materials after BFE-testing (ASTM F2101): the plates have been covered respectively with a reusable sterilization wrap, two layers of SMS sterilization wrap, and ONE-STEP* Sterilization Wrap H400. The fabric covered plates were then challenged with Staphylococcus aureus bacteria. After twenty-four hours, the wrap is removed and the CFUs are counted to determine the number of bacteria that penetrated through the different sterilization wrap fabrics. Results are reported in the number of bacteria that are prevented from passing through the material.

BARRIER INTEGRITY

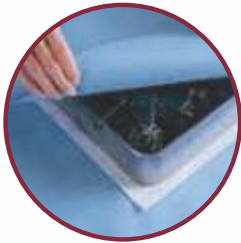
Percent Filtration Efficiency (BFE)	Number Bacteria Passed Through
50%	1,100
70%	660
90%	220
95%	110
96%	88
97%	66
98%	44
99%	22
≥ 99.9%*	0–2

*100% BFE reporting is not permitted per good statistical practices

1. Data on File.
 2. Comparing like fabric weights. Data on File.
 3. Physical Properties Testing Dossier H01104.
 4. AORN 2012 Perioperative Standards, Recommended Practices and Guidelines



At Halyard, we believe that there should be a sterilization wrap available for every need and for every user. Within the HALYARD* sterilization portfolio we offer :



HALYARD* SEQUENTIAL STERILIZATION WRAP

PROTECT EVERY TRAY WITH CONFIDENCE - SEQUENTIAL WRAPPING

Extensive independent laboratory testing assures that all HALYARD* Sterilization Wrap delivers the **optimum balance of properties**³ needed to ensure the sterility of your instruments:

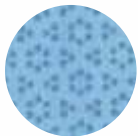
- Strength and resistance to tearing³
- Resistance to linting and abrasion³
- Effective microbial barrier³
- Effective sterilant penetration³
- Post sterilization testing for confidence in sterility of instruments with Event Related Sterility Maintenance Studies.³



H200

HALYARD* H200 Sterilization Wrap

Code	Size	Packaging
68018	H200 45 cm X 45 cm	Each/Case = 1000 sheets



H300

HALYARD* H300 Sterilization Wrap

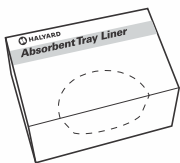
Code	Size	Packaging
10848	H300 121 cm X 121 cm	Each/Case = 100 sheets



H400

HALYARD* H400 Sterilization Wrap

Code	Size	Packaging
68236	H400 91 cm X 91 cm	Each/Case = 150 sheets
16017	H400 91 cm X 91 cm	Each/Case = 150 sheets



HALYARD* ABSORBENT TRAY LINERS

- High Absorbency
- High Strength
- Cut To Suit Sterilization Trays

Code	Size	Description	Packaging
4330	21.5cm X 24cm	HALYARD* Absorbent Tray Liners Small	Eaches/Pack = 125 Packs/Case = 4 Eaches/Case = 500
4331	24cm X 36.5cm	HALYARD* Absorbent Tray Liners Medium	Eaches/Pack = 75 Packs/Case = 6 Eaches/Case = 450
4332	30cm X 50.5cm	HALYARD* Absorbent Tray Liners Large	Eaches/Pack = 75 Packs/Case = 6 Eaches/Case = 450



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