

STERIMED PACKAGING SOLUTIONS FOR STERILE GOWNS



ABOUT STERIMED

STERIMED Infection Control develops tailor-made packaging materials and unique expertise thanks to its direct contact with end users in the medical devices manufacturing industry all around the world. With 1100 employees over 4 continents, STERIMED is the world leading manufacturer of renewable resource-based packaging materials for the medical device industry.

YOUR LEVEL OF REQUIREMENT

Gowns are divided into different levels of protection for the end user, from the minimal risk level for which the gowns are intended to be used for basic care for example, to the highest risk level for which gowns are intended to be used during long, fluid intense surgery. The selection of the packaging components will be impacted by the required level of protection.

STERIMED SOLUTIONS

STERIMED offers 3 levels of performance solutions, all perfectly suitable for all gowns requirements while providing the most optimized cost/risk balance.

HIGHEST LEVEL OF REQUIREMENTS

Polybond™ RCP 83 gsm / 51 lb or Polybond™ RHP 85 gsm / 52 lb + Ethyform™ XPA flexible formable film

A 80 gsm cellulosic matrix reinforced with synthetic binders on top of which is applied a 3 or 5gsm overall heat reactive adhesive coating. These materials provide an excellent aseptic opening in critical conditions, typically when the peel angle is superior to 90° peel angle. Polybond RCP 83 and Polybond RHP 85 coating technology combines the advantages of reducing the linting propensity linked to good aseptic.

+ Matching Ethyform XPA flexible formable film will provide the optimal combination for your primary sterile barrier system.

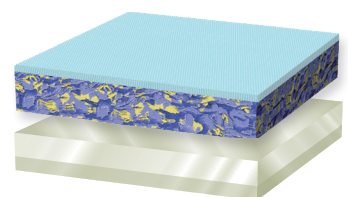
Secondary packaging solutions: EthyWrap™ Rf 52, EthyWrap™ Rf 60 reinforced cellulosic sheets



PROPERTY	STANDARD TEST METHOD	UNIT	TYPICAL VALUE	
			POLYBOND™ RCP 83	POLYBOND™ RHP 85
Substance	ISO 536	gsm/lb	83 gsm / 51 lb	85 gsm / 52 lb
Air permeance	ISO 5636-3		2.4	2.27
Pore size	EN 868-2:2009 (App. E)		17	17
Cobb test	ISO 535	g/m ²	16	17
Tensile strength	ISO 1924-2	kN/m	5.8	5.25
Burst strength	ISO 1974	mN	400	405
Tearing strength MD	ISO 1974	mN	600	615
Tearing strength CD	ISO 1974	mN	650	660



Polymer Reinforced Web / Coated



Film PA / PE

**INTERMEDIATE LEVEL OF REQUIREMENTS****Polybond™ RST 80 / 49 lb or Polybond RST 100 / 61 lb
+ Ethyform XPA flexible formable film**

Polybond RST 80 and Polybond RST 100 are surface treated materials made of a cellulosic matrix, saturated with polymeric binders. The product technology provides a stronger mechanical performance than cellulosic substrates to reduce risk of puncture. It also provides excellent aseptic opening thanks to the soft polymeric binder that makes the product very cohesive and flexible.

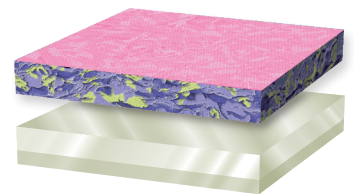
+ Matching Ethyform XPA flexible formable film will provide the optimal combination for your primary sterile barrier system.

Secondary packaging solutions: EthyWrap™ So 52, So 60, Ce 60 cellulosic crepe sheets

PROPERTY	STANDARD TEST METHOD	UNIT	TYPICAL VALUE	
			POLYBOND™ RST 80	POLYBOND™ RST 100
Substance	ISO 536	gsm/lb	80 gsm / 49 lb	100 gsm / 61 lb
Air permeance	ISO 5636-3		6.2	5.1
Pore size	EN 868-2:2009 (App. E)		18	14
Cobb test	ISO 535	g/m ²	15	15
Tensile strength MD	ISO 1924-2	kN/m	5.8	6.6
Burst strength	ISO 1974	mN	440	580
Tearing strength MD	ISO 1974	mN	650	900
Tearing strength CD	ISO 1974	mN	750	1000



Polymer Reinforced Web / Surface Treated



Film PA / PE

BASIC LEVEL OF REQUIREMENTS**Ethypel Performance™ CP 63 or Ethypel Performance™ SP 63 gsm / 39 lb
+ Ethyform™ XPA flexible formable film**

Ethypel Performance™ CP 63 and Ethypel Performance™ SP 63 are 60gsm cellulosic web with 3gsm overall heat reactive adhesive coating providing a good sealing performance while ensuring a good aseptic opening thanks to a controlled affinity between the substrate and the coating, therefore preventing any risk of fiber delamination.

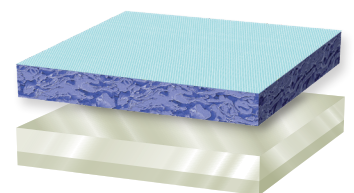
+ Matching Ethyform XPA flexible formable film will provide the optimal combination for your primary sterile barrier system.

Secondary packaging solutions: EthyWrap™ So 52, So 60, Ce 60 cellulosic crepe sheets

PROPERTY	STANDARD TEST METHOD	UNIT	TYPICAL VALUE
			ETHYPEL PERFORMANCE CP-SP 63
Substance	ISO 536	gsm/lb	63 gms / 39 lb
Air permeance	ISO 5636-3		1.0
Pore size	EN 868-2:2009 (App. E)		11
Cobb test	ISO 535	g/m ²	18
Tensile strength MD	ISO 1924-2	kN/m	4.8
Burst strength	ISO 2758	kPa	330
Tearing strength MD	ISO 1974	mN	525
Tearing strength CD	ISO 1974	mN	550



Cellulose Web / Coated



Film PA / PE

**SAMPLES AND QUOTATION**

Contacting your STERIMED representative is the best option to define and efficiently implement your new gowns packaging solution: our packaging engineers will recommend you the best alternatives of porous top web (reinforced substrate, etc.) and also bottom web (film nature, cellulosic solutions, etc.), after an overall assessment of your operational challenges and requirements (visual appearance, sealing performance, productivity, mechanical protection, etc.).



47/49 avenue Edouard Vaillant
92100 Boulogne-Billancourt - FRANCE
Tél. +33(0)1 77 37 35 28
contact@sterimed.fr

www.sterimed.fr

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- PATIENT CARE FACILITIES

