

Sealers and Cappers

Foils, Sealing Films, Mats and Lids

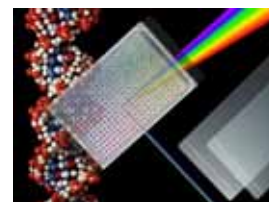
Brochure 2020

Films for Real-Time PCR, Storage and Crystallization



ThermalSeal RT™ and ThermalSeal RT2RR™

- 50 µm optical clear polyester film with 25 µm acrylic adhesive
- “Brilliant” ultra-high optical clarity due to ultra-smooth, non-absorbing and non-fluorescing medical-grade adhesive
- Plastic back liner instead of paper for smoothness and high optical clarity
- Certified DNase-, RNase-, and nucleic acid-free
- ThermalSeal RT2RR™ for plates with raised rim
- Dimensions: 79.4 x 121.9 mm or 77.8 x 118.1 mm

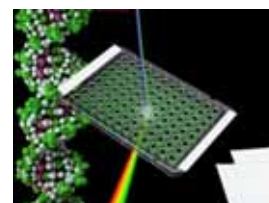


Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.	
Porvair	Excel						
-	TS-RT2-100	RT PCR	-40 °C to +120 °C	no	no	PE	100
229521	TS-RT2RR-100	RT PCR	-40 °C to +120 °C	no	no	PE	100

ThermalSeal RTS™

also available as **Roll-Seal™** (p.7)

- 50 µm polyolefine foil with 50 µm encapsulated silicone adhesive
- Encapsulated silicone adhesive is non-tacky until pressed against sealing surface at which time it is released and forms the strongest available seal around each well
- Optical clear with low autofluorescence
- Chemically inert with exclusion of extreme pH-values, DMSO-resistant
- Certified DNase-, RNase-, and nucleic acid-free
- Dimensions: 78.6 x 133.0 mm



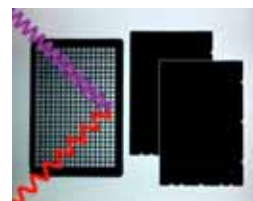
Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
TSS-RTQ-100	RT PCR, storage, protein crystallization	-80 °C to +105 °C	no	no	PO	100
TSS-RTQS-50	RT PCR, storage, protein crystallization	-80 °C to +105 °C	yes	no	PO	50

Black films for Fluorescence and Photoprotection



AbsorbMax™

- 203 µm, **light absorbing** vinyl film with 37 µm acrylic adhesive
- Top or bottom application of **black** microplates
- Reduces stray light and well-to-well crosstalk during fluorescence assays
- Protects light-sensitive samples during storage
- Dimensions: 76.2 x 114.3 mm; for plates with raised rim



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.	
Porvair	Excel						
229520	BK-50	Fluorescence, Photoprotection	-40 °C to +80 °C	no	no	vinyl	50

NEW! Improved* Sealing Paddles and Roller



- Complete application of plate-sealing film with plate rollers or paddles
- Plate rollers assure a secure and uniform seal around all wells of a plate.
- Plate roller have a metal handle and are autoclavable.
- Paddles have two different surfaces, one for flat and one for raised rim plates
- Paddles are manufactured from high quality, recyclable LDPE



Cat. No.	Application	Cs.
PDL-5	Sealing Paddle for sealing films with two different surfaces	50
RL-PLT-01	Plate Roller for secure and uniform seal	1

*= expected to be available ~ February 2020

White films for Luminescence and Microscopy



BrightMax™

- 203 µm white **light-reflecting** vinyl film with 37 µm acrylic adhesive
- For use with **white** microplates, top or bottom of plate
- Light reflecting properties maximize sensitivity of bio- and chemiluminescence assays
- Additional applications for mounting and storage of filter for microscopy such as ELISPOT
- Dimensions: 76.2 x 116.0 mm



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
WT-50	Luminescence, Microscopy	-40 °C to +80 °C	no	no	vinyl	50

Films for Chromatographie



Rapid EPS for HPLC and LC/MS Applications

- PO film with synthetic adhesive
- Easily pierceable to prevent needle clogging or damage
- No adhesive remains on plate or needle
- Compatible with 96-, 384-, and 1536-well plates
- Excellent chemical resistance, also against DMSO, acetonitrile and methanol
- Dimensions: 80 x 122 mm



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
Rapid EPS	HPLC, LC/MS	-80 °C to +80 °C	no	yes	PO	100

Rapid Slit for Automation, SPE, HPLC, LC/MS and ADME

- 3 layered film: PET Film, silicone rubber, PET film
- Adhesive-free, pre-cut slits over wells of 96-well plate
- Self-closes instantly after needle penetration to prevent solvent evaporation and cross-contamination
- After 22 hours, 95 % of 150 µl water will remain at 37 °C
- Dimensions: 80 x 122 mm

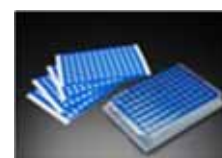


Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
Rapid Slit	Automation, HPLC	-80 °C to +100 °C	no	yes	PET/Si	100

PTFE sealing film from J.G. Finneran, patented



- 51 µm PTFE film, blue
- Clear, adhesive-free mat prevents sample contamination through adhesive
- Solvent-free adhesive adheres to polypropylen, polystyrene and polycarbonate materials
- Compatible with aqueous solutions and organic solvents
- Excellent chemical resistance, also against DMSO



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
BST-9790	Automation	-80 °C to +120 °C	no	yes	PTFE	100

Standard plate seals

- Affordable standard plate seals for microplates and deep well blocks.
- Especially suited for storage at room temperature

Cat. No.	Description	Temperature range	Material	Cs.
25-030-00	self-adhesive film, non-toxic	-20 °C to +70 °C	vinyl	100

Seals for Extreme Conditions



eXTReme™ FoilSeal™

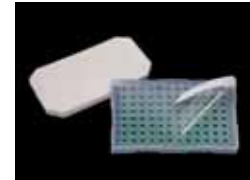
- 48 µm aluminium foil with specially formulated 30 µm adhesives to provide a strong seal for all plate materials
- Flexible foil allows visual verification of seal security
- Easily pierceable with single or multi channel pipettes and needles from robots
- Ideal for PCR, long-term storage at low temperatures, light sensitive assay and robotics
- Excellent barrier properties minimize sample evaporation
- Dimensions: 78.3 x 118.1 mm



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
XTR-FOIL-100	PCR	-80 °C to +120 °C	no	yes	Al	100

eXTReme™ Seal

- 50 µm PES film with 42 µm strong adhesive
- Minimized evaporation and well-to-well contamination
- Ideal for PCR, qPCR (real-time), robotics and sample storage
- Standard cut (XTR-100, 78.3 x 119.0 mm) is compatible with all plate types, especially raised-rim plates, PCR and deep well plates
- Large cut (XTR-LG-100, 81.5 x 121.9 mm) is designed for greater coverage and complete seal around edges of PCR and deep well plates



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
XTR-100	PCR, qPCR	-40 °C to +120 °C	no	no	PES	100
XTR-LG-100	PCR, qPCR	-40 °C to +120 °C	no	no	PES	100

Broad range of Antibodies, Antigens, ELISA Kits, Recombinant Proteins, Conjugates, Substrates, Plasma, Sera and Whole Blood

Complete overview and detailed product information on request

Films for Automation, also for ELISA applications



EZ-Pierce™

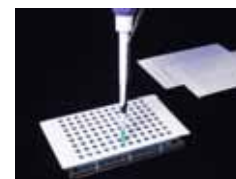
- 70 µm polyethylene foil with 25 µm acrylic adhesive
- Easily pierceable with single or multi channel pipettes as well as needles from robots
- Adhesive-free area above each well of 96-well plate
- Inert and chemically resistant
- DimensionS: 82.6 x 142.9 mm, including two removable end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
229306	Automation	-40 °C to +90 °C	no	yes	PE	100
-	Automation	-40 °C to +90 °C	yes	yes	PE	50

ZoneFree™

- 70 µm adhesive-free polyethylene top layer with a patterned inert white 25 µm polypropylene/adhesive sublayer
- Easily pierceable with single or multi channel pipettes as well as needles from robots
- Sample recovery without adhesive fouling and minimized adhesive contact
- Dimensions: 79.4 x 142.9 mm, including two removable end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
ZAF-PE-50	Automation	-40 °C to +90 °C	no	yes	PE	100

X-Pierce™

- 89 µm vinyl film with 18 µm adhesive layer
- Precut "X" over each well allows sample access without coring or adhesive fouling
- X-flaps return to original position after taking a sample
- Limited protection of samples after adding several solutions through pipetting
- For long-term protection a continuous film needs to be applied to the plate
- Dimensions: 79.4 x 145.5 mm, including two removable end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
229496	Automation, Ultrasonication	-40 °C to +90 °C	no	yes	vinyl	100
229495	Automation, Ultrasonication	-40 °C to +90 °C	yes	yes	vinyl	50

Films for Cell and Tissue Culture



AeraSeal®

also available as SealMate™ (p.7), and Roll-Seal™ (p.7)

- 140 µm, hydrophobic, porous rayon film with medical-grade adhesive
- For tissue culture plates, bio blocks and 96-well plates for cell culture or bacterial growth
- Air permeable, uniform exchange of air and CO₂ in all wells, non-toxic
- Protects against evaporation, cross-contamination and spillage
- Easily pierceable with pipet tips or pipets for sample recovery
- Dimensions: 82.6 x 142.9 mm, including two end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
-	Cell Culture	-20 °C to +80 °C	no	yes	Rayon	100
229308	Cell Culture	-20 °C to +80 °C	yes	yes	Rayon	50

Air permeable transparent sealing films

- Available for 24-/96-/384-well plates with corresponding adhesive free windows
- Air permeable, uniform exchange of air and CO₂ in all wells, non-toxic
- Prevents sample contamination, evaporation and moisture release into equipment
- DNase- and RNase-free
- Dimensions: 80 x 137 mm



Cat. No.	Application	Temperature range	sterile	pierceable	Cs.
500120	Cell Culture, Microscopy	-20 °C to +80 °C	yes	yes	50

Aluminium Foils for PCR and Cold Storage



AlumaSeal II™

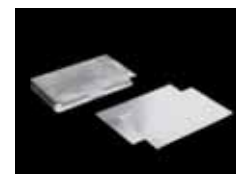
- 36 µm soft, non-permeable aluminium foil with 26 µm medical-grade acrylic adhesive
- Excellent barrier properties, virtually no evaporation or drying
- Easily pierceable with single or multi channel pipettes and needles from robots
- Heat and cold resistant, impervious to light
- Certified DNase-, RNase-, and nucleic acid free
- Dimensions: 82.6 x 146.1 mm, including two full-width end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
AF-100	PCR, Cold storage	-80 °C to +120 °C	no	yes	Al	100
AFS-25	PCR, Cold storage	-80 °C to +120 °C	yes	yes	Al	50

AlumaSeal CS™

- 50 µm aluminium foil with 50 µm acrylic adhesive
- Specifically designed for best performance in cold storage down to -80 °C
- **Not** recommended for PCR or thermal cycling
- Dimensions: 82.6 x 132.6 mm, including single end tab



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.	
Porvair 229499	Excel FC-100	Cold storage	-80 °C to +120 °C	no	yes	Al	100
-	FCS-25	Cold storage	-80 °C to +120 °C	yes	yes	Al	50

AlumaSeal 96™ and AlumaSeal 384™

- 38 µm aluminium foil with 38 µm acrylic adhesive for 96-well and 384-well plates
- Excellent barrier properties, virtually no sample evaporation or drying
- Easily pierceable with single or multi channel pipettes and needles from robots
- Certified DNase-, RNase-, and nucleic acid-free
- AlumaSeal 96™ suitable for plates with raised rims
- Dimensions: 77.8 x 127.0 mm or 82.6 x 137.3 mm, including single end tab



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.	
Porvair 229497	Excel F-96-100	PCR	-80 °C to +120 °C	no	yes	Al	100
-	F-384-100	PCR	-80 °C to +120 °C	no	yes	Al	100

Texan™ Reagent Reservoirs



- Manufactured from reusable, autoclavable, environmentally-friendly polypropylene
- V-shaped reservoir with a total volume of 175 ml
- Graduations: 25 ml, 50 ml, 75 ml, 100 ml, 125 ml and 150 ml
- Reservoir can be opened with one hand due to an easy-to-open latch
- Reinforced base for firm position
- Greater clarity for improved visibility of content

Cat. No.	Description	sterile	Material	Cs.
RSV-0175-N10	Reagent Reservoir <u>without</u> lid	no	PP	100
RSV-0175-S05	Reagent Reservoir <u>without</u> lid	yes	PP	100
RSV-L175-N10	Reagent Reservoir <u>with</u> lid	no	PP	100
RSV-L175-S05	Reagent Reservoir <u>with</u> lid	yes	PP	100

Aluminium Foils for PCR



ThermalSeal®

also available as MiniStrips™ (see below)

- 50 µm heat resistant PP-film with 25 µm acrylic adhesive for thermal cycling applications
- Excellent barrier properties, non-pierceable
- Certified DNase-, RNase-, and nucleic acid-free
- Dimensions: 79.4 x 135.1 mm, including two end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
229303	PCR	-40 °C to +120 °C	no	no	PP	100
229304	PCR	-40 °C to +120 °C	yes	no	PP	100

ThermalSeal A™ and ThermalSeal 2™

- 50 µm heat resistant PES-film with 41 µm acrylic adhesive for thermal cycling applications
- Strong adhesive for improved protection against evaporation and leakage
- No tendency to roll back during application and less tendency to tear during removal
- Thermal Seal A™ for raised-rim PCR plates and standard plates
- Thermal Seal 2™ for better adhesion and reduced evaporation
- Dimensions: 77.8 x 135.5 mm (TSA) or 79.4 x 139.7 mm (TS2), including two end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
TSA-100	PCR, Storage	-40 °C to +120 °C	no	no	PES	100
TS2-100	PCR	-40 °C to +120 °C	no	no	PES	100

MiniStrip™ and EZcap™ to seal only one or two 8-well rows



MiniStrip™ for PCR plates, standard plates or strip tubes

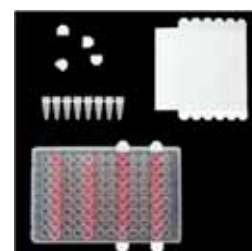
- Designed to seal only one or two 8-well rows at a time
- Supplied in convenient sheets of four rows
- NOTE: Spacing does not permit simultaneous application of more than 2 strips
- Available for:
 - **SealPlate®**: 50 µm PES film; non-pierceable; for immunoassays, incubation and storage; dimensions per strip: 19.1 x 82.6 mm
 - **ThermalSeal®**: 50 µm PP-film; non-pierceable; for thermal cycling applications; dimensions per strip: 19.0 x 76.2 mm



Cat. No.	Description	Temperature range	sterile	pierceable	Material	Strips/Cs.
SP-2X8-50	Seal Plate®	-40 °C to +120 °C	no	no	PES	200
SPS-2X8-50	Seal Plate®	-40 °C to +120 °C	yes	no	PES	200
TS-2X8-50	Thermal Seal®	-40 °C to +120 °C	no	no	PP	200

EZcap™ Strips

- Economical and user-friendly alternative to strip caps
- Precision cut to a smaller dimension to seal a single 8-well row of a 96-well plate or single 8-tube strips
- Available as:
 - **FilmStrips™**: 50 µm PP film; non-pierceable; reduces evaporation, cross-contamination and spillage storage; for incubation and general use; 8 FilmStrips on continuous backing liner per sheet
 - **PCR Film Strips™**: 50 µm PES film; non-pierceable; reduces evaporation, cross-contamination and spillage storage; for PCR, qPCR and storage; 8 FilmStrips on continuous backing liner per sheet
 - **FoilStrips™**: 50 µm Aluminium foil; pierceable; excellent chemical resistance (e.g. DMSO); reduces evaporation, cross-contamination and spillage; for PCR, storage and light sensitive assays; 6 FoilStrips per sheet



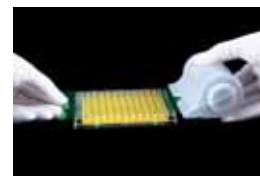
Cat. No.	Description	Temperature range	sterile	pierceable	Material	Strips/Cs.
GP-CS1X8-400	FilmStrips™	-40 °C to +120 °C	no	no	PP	400
GPS-CS1X8-400	FilmStrips™	-40 °C to +120 °C	yes	no	PP	400
US-CS1X8-400	PCR FilmStrips™	-40 °C to +120 °C	no	no	PES	400
F2-CS1X8-300	FoilStrips™	-80 °C to +120 °C	no	yes	Al	300

Adhesive Microplate Sealing Films on Rolls



SealMate™ system for Manual Application

- Convenient, easy and fast sealing method for microplates
- Includes moulded PP roll dispenser with hinged “clamshell” design and sealing films
- Dispenser also protects unused film



- Available for:

- **SealPlate®** (colour code: green): 38 µm PES film; non-pierceable; for immunoassays, incubation and short-term storage; 100 plates/roll
- **AeraSeal™** (colour code: red): 140 µm, hydrophobic porous rayon film; pierceable; for a steady exchange of air and CO₂; non-toxic; for tissue culture, bio-blocks, bacterial growth; 50 plates/roll

Cat. No.	Description	Temperature range	sterile	pierceable	Material
SM-KIT-SP	SealPlate® Starter Kit SealMate™ Dispenser and 2 rolls	-40 °C to +120 °C	no	no	PES
SM-KIT-SPS	SealPlate® Starter Kit SealMate™ Dispenser and 2 rolls	-40 °C to +120 °C	yes	no	PES
RSMSP-2	SealPlate® Rolls, 2 rolls,	-40 °C to +120 °C	no	no	PES
RSMSP-2-S	SealPlate® Rolls, 2 rolls	-40 °C to +120 °C	yes	no	PES
SM-KIT-B	AeraSeal™ Starter Kit SealMate™ Dispenser and 2 rolls	-20 °C to +80 °C	no	yes	Rayon
SM-KIT-BS	AeraSeal™ Starter Kit SealMate™ Dispenser and 2 rolls	-20 °C to +80 °C	yes	yes	Rayon
RSMB-2	AeraSeal™ Rolls, 2 rolls	-20 °C to +80 °C	no	yes	Rayon
RSMB-2-S	AeraSeal™ Rolls, 2 rolls	-20 °C to +80 °C	yes	yes	Rayon

RollMate™ for Manual Application

- Economical and efficient way to rapidly seal microplates
- Self-standing, non-slip supports hold pre-scored film roll in place
- Continuous backing liner can be torn off or fed directly into a waste basket
- Roll tension can be adjusted (e.g. loose, tight)



- Available for:

- **SealPlate®**: 50 µm PES film; non-pierceable; for immunoassays, incubation and short-term storage; 500 plates/roll
- **FoilSeal™**: 50 µm Aluminium foil; pierceable, excellent chemical resistance (e.g. DMSO), reduces evaporation, cross-contamination and spillage; for cold storage, standard PCR, light sensitive assays; 500 plates/roll

Cat. No.	Description	Temperature range	sterile	pierceable	Material
SP2-RL-500	SealPlate® RollMate™	-40 °C to +120 °C	no	no	PES
F2-RL-500	FoilSeal™ RollMate™	-80 °C to +120 °C	no	yes	Al

Roll-Seal™ for Automation

- Fast, efficient, high-throughput sealing of microplates, 2.5 to 5 sec/plate
- Provides reliable and efficient sealing at a lower cost per plate with minimal user intervention
- Film rolls are constructed on a 7.62 cm plastic core, which makes them compatible with most automatic sealers



- Available for:

- **ThermalSeal RTS™**: 50 µm PO film with 50 µm inert silicone adhesive; optically clear; non-pierceable; for RT-PCR, storage and crystallization; 540 plates/roll
- **AlumaSeal® Foil**: 38 µm Aluminium foil with 38 µm acrylic adhesive; pierceable; for PCR, long-term cold storage and sample recovery; 830 plates/roll
- **AeraSeal™**: 140 µm, hydrophobic, porous rayon film; pierceable; for a steady exchange of air and CO₂; non-toxic; for tissue culture, bio-blocks, bacterial growth; 830 plates/roll

Cat. No.	Description	Temperature range	sterile	pierceable	Material
RRTS-79x65	ThermalSeal® RTS Film, 79 mm x 65 m	-70 °C to +100 °C	no	no	PO
RF-80x100	AlumaSeal® Foil, 80 mm x 100 m	-80 °C to +120 °C	no	yes	Al
RB-81x100	AeraSeal™, 81 mm x 100 m	-20 °C to + 80 °C	no	yes	Al

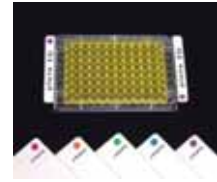
Films for ELISA, short-term storage and incubation



SealPlate®

also available as SealMate™ (p.7),
RollMate™ (p.7) and as MiniStrip™ (p.6)

- 50 µm polyester foil with 25 µm acrylic adhesive
- Minimizes evaporation and prevents contamination between wells
- Secure sealing of all wells, eliminates “edge effects” in sensitive ELISA assays
- Can also be used for tissue culture, short-term storage and incubation
- Dimensions: 79.4 x 146.1 mm, including two removable end tabs



Cat. No.	Excel	Application	Temperature range	sterile	pierceable	Material	Cs.
229016	100-SEAL-PLT	ELISA/Incubation	-40 °C to +120 °C	no	no	PES	100
-	STR-SEAL-PLT	ELISA/Incubation	-40 °C to +120 °C	yes	no	PES	100

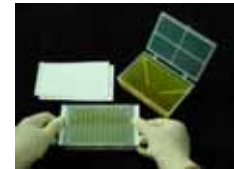
SealPlate® ColorTab™ - with colour coding (coloured dot) and white writing area on the removal strip

-	SP-IDA-10 Colour assorted	ELISA/Incubation	-40 °C to +120 °C	yes	no	PES	50
-	SP-IDX-100 single colour	ELISA/Incubation	-40 °C to +120 °C	yes	no	PES	100

When ordering replace the “X” in the cat. no. to one of the available colours: blue, green, lavender, orange, red

ThinSeal™

- 25 µm polyester foil with 25 µm acrylic adhesive
- Minimizes evaporation and prevents contamination between wells
- Clearer and marginally pierceable with single-channel pipettes or probes for sample recovery
- Dimensions: 79.4 x 141.0 mm, including two removable end tabs



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
100-THIN-PLT	ELISA/Incubation	-40 °C to +120 °C	no	marginal	PES	100
STR-THIN-PLT	ELISA/Incubation	-40 °C to +120 °C	yes	marginal	PES	100

Heat Sealing



Mini Seal II – Thermal Plate Sealer

- Method of choice for fast, air tight and secure sealing without transferring disrupting adhesives to the plate
- Semi-automatic, no compressed air required
- Sealing of plates with a height of 9 to 48 mm
- Temperature range: ambient to 200 °C (steps of 0.1 °C)
- Sealing time 0.1 to 9.9 sec
- User-friendly with combined display for temperature and sealing time
- Low weight (6 kg) and small foot print



Cat. No.	Description
500090	MiniSeal II Heat Sealer , inclusive 2 adapters for standard plates in SBS-format, deep well and PCR plates, brass plate weight
500083	Adapter for rimless 96-well plates
500084	Adapter for 384-well PCR plates with flat surface

Thermal seals for Mini Seal II

- Easily distinguished by colour code
- The pre-sliced foils are marked to ensure the use with the right side up thus reducing the risk to damage the sensitive thermo head of the heat sealer
- Solvent resistant, including DMSO and TFA
- Temperature range: -80 °C to 120 °C
- Dimensions: 78 x 125 mm



Cat. No.	Material	Thickness	peelable	pierceable	Colour code	Cs.
229571	EVA laminated Aluminium	70 µm	yes	no	red	100
229572	PP/PS lacquered Aluminium	20 µm	no	yes	green	100
229573	Acryl lacquered Aluminium	38 µm	yes	yes	blue	100
229574	Acryl lacquered Aluminium	85 µm	no	no	black	100
5000090	EVA/PE	75 µm	No	yes	black	100
500010	EVA/PE	105 µm	yes	no	black	100

Sealing Mats



Cat. No.	Description	pierceable	Material	Cs.
360014	Mat for 24-well (Porvair: 360013)	yes	Santoprene	100
360006	Mat for 48-well (Porvair: 360002, 360004); DNase/RNase-free	yes	Santoprene	100
360098	Mat for 48-well solid plate with 5 ml and 7.5 ml	no	Si	100
219251	Mat for 96-well low-profile 1.1 ml deep well (Porvair 19250)	no	TPE	100
380001	Mat to fit 384-well (Porvair: 219040, 219041)	no	Si	50
219004	Mat for 96-well, square (Porvair: 219009, 219030, 219031, 500285 - 500288), DNase/RNase-free	yes	EVA	50
219019	Mat for 96-well, round (Porvair: 219025, 219026, 219027), DNase/RNase-free; sterile	no	EVA	50
360010	Mat for 96-well, square (Porvair: 219006, 219008, 219009)	yes	Santoprene	100
219033	Mat for 96-well, square (Porvair: 219030, 219031)	no	PP	50
500182	Mat for 96-well, square with double O-ring (Porvair: 219009, 219027)	yes	Si	50
997005SW-96	Moulded green mat for 96-well, square	yes	Si	5
997075SW-96	Precut moulded green mat for 96-well, square	yes	SI	5
996050SW-96	Moulded grey PTFE-lined mat for 96-well, square	yes	PTFE/Si	5
996075SW-96	Precut moulded grey PTFE-lined mat for 96-well, square	yes	PTFE/Si	5
976050SW-96	Clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
976075SW-96	Pre-slit clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
976250SW-96	Ultra-low-bleed clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
976275SW-96	Pre-slit ultra-low-bleed clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
219036	Mat for 96-well, round (Porvair: 219002, 500284); DNase/RNase-free	no	EVA	50
219042	Mat for 96-well, round (Porvair: 219012); DNase/RNase-free; sterile	no	EVA	50
500179	Mat for 96-well, round with double O-ring (Porvair: 219020, 219021)	yes	Si	50
219044	Mat for 96-well, round (Porvair: 219002)	yes	EVA	50
997005MR-96	Moulded green mat for 96-well, round	yes	Si	5
997075MR-96	Precut moulded green mat for 96-well, round	yes	SI	5
996050MR-96	Moulded grey mat for 96-well, round	yes	PTFE/Si	5
996075MR-96	Precut moulded grey mat for 96-well, round	yes	PTFE/Si	5
9760507MR-96	Clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9760757MR-96	Pre-slit clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9762507MR-96	Ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9762757MR-96	Pre-slit ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9760508MR-96	Clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9760758MR-96	Pre-slit clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9762508MR-96	Ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9762758MR-96	Pre-slit ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9764508MR-96	Clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm, short)	yes	PTFE/Si	5
9764758MR-96	Pre-slit clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm, short)	yes	PTFE/Si	5

Cap Mat Applicators

porvair
sciences

MatCapper

- Produces an accurate and tight seal on shallow and deep well PP plates
- Needs minimal pressure for capping, reduces fatigue and Repetitive Strain Injury
- Special across plate pressure system ensures perfect seal time after time
- Also works with glass tube racks and their closure mats
- Powder coated to resist chemical spillage
- Anti-slip base and fixing holes for securing to bench
- EVA or silicone mats are reusable with care (see page 9)



Cat. No.	Description
229078	MatCapper , applicator for storage and assay plates as well as tube racks

AutoCapper

- Automated application of friction sealing caps to deep well plates and tube racks
- Reproducible and even pressure every time
- Speeds up work flow
- Only requires a main power supply
- Small foot print for laboratory benches



Cat. No.	Description
500246	AutoCapper , electrically operated mat capper for storage plates and vial racks

Lids

porvair
sciences

- Made of PS or PP to fit all plates



Cat. No.	Description	Material	Cs.
229125	Universal lid for all standard SBS format 96-well plates	PS	100
229225	Universal lid for all standard SBS format 96-well plates, sterile	PS	100
229126	Universal lid for all standard SBS format 96-well plates, black	PP	100

Abbreviations:	Al:	Aluminium	EVA:	Ethylene-vinyl acetate
	PE:	Polyethylene	PES:	Polyestersulfon
	PET:	Polyethylene terephthalate	PO:	Polyolefine
	PP:	Polypropylene	PS:	Polystyrene
	PTFE:	Polytetrafluorethylene	Si:	Silicone
	TPE:	Thermoplastic elastomer		

Sealing Films and Foils Selection Guide by Product Attribute

Product Description	Functional Temperature Range	Product Attribute						Material Construction		
		DNase- & RNase- Free	Chemically Resistant	Pierceable	Optically Clear	Transparent	Light Blocking	Breathable	Film / Foil Thickness	Adhesive Thickness
US-CS1X8-400 - 1X8 EZcap™ PCR FilmStrips™	-40°C to +120°C	*			*				Polyester 50.8µm / 2mil	Acrylic 41.9µm / 1.65mil
XTR-100 - eXTReme™ Seal	-40°C to +120°C	*			*				Polyester 50.8µm / 2mil	Acrylic 41.9µm / 1.65mil
XTR-LG-100 - eXTReme™ Seal, Large	-40°C to +120°C	*			*				Polyester 50.8µm / 2mil	Acrylic 41.9µm / 1.65mil
TSS-RTQ-100 - ThermalSeal RTS™, Optically Clear, Non-Tacky, Silicone Adhesive	-80°C to +100°C	*	*		*				Polyolefin 50.8µm / 2mil	Silicone 50.8µm / 2mil
TSS-RTQS-50 - ThermalSeal RTS™, Optically Clear, Non-Tacky, Silicone Adhesive, Sterile	-80°C to +100°C	*	*		*				Polyolefin 50.8µm / 2mil	Silicone 50.8µm / 2mil
100-THER-PLT - ThermalSeal®	-40°C to +120°C	*	*		*				Polypropylene 50.8µm / 2mil	Acrylic 24.1µm / 0.95mil
F2-CS1X8-300 - 1X8 EZcap™ FoilStrips™	-80°C to +120°C	*	*	*			*		Aluminum foil 50.8µm / 2mil	Acrylic 36.8µm / 1.45mil
XTR-FOIL-100 - eXTReme™ FoilSeal™, Chemically Resistant	-80°C to +120°C	*	*	*			*		Aluminum foil 48.3µm / 1.9mil	Acrylic 30.5µm / 1.2mil
F2-RL-500 - FoilSeal™ RollMate™, Chemically Resistant	-80°C to +120°C	*	*	*			*		Aluminum foil 50.8µm / 2mil	Acrylic 36.8µm / 1.45mil
AF-100 - AlumaSeal II™, Easily Pierceable	-80°C to +120°C	*		*			*		Aluminum foil 35.6µm / 1.4mil	Acrylic 27.9µm / 1.1mil
AFS-25 - AlumaSeal II™, Easily Pierceable, Sterile	-80°C to +120°C	*		*			*		Aluminum foil 35.6µm / 1.4mil	Acrylic 27.9µm / 1.1mil
XP-100 - X-Pierce™	-40°C to +90°C			*	*				Vinyl 88.9µm / 3.5mil	Acrylic 17.8µm / 0.7mil
XPS-25 - X-Pierce™, Sterile	-40°C to +90°C			*	*				Vinyl 88.9µm / 3.5mil	Acrylic 17.8µm / 0.7mil
ZAF-PE-50 - Zone-Free™	-40°C to +90°C			*	*				Polyethylene 69.9µm / 2.75mil	Acrylic 26.7µm / 1.05mil
GP-CS1X8-400 - 1X8 EZcap™ General Purpose FilmStrips™	-40°C to +120°C	*			*				Polypropylene 50.8µm / 2mil	Acrylic 24.1µm / 0.95mil
GPS-CS1X8-400 - 1X8 EZcap™ General Purpose FilmStrips™, Sterile	-40°C to +120°C	*			*				Polypropylene 50.8µm / 2mil	Acrylic 24.1µm / 0.95mil
100-SEAL-PLT - SealPlate®	-40°C to +120°C				*				Polyester 50.8µm / 2mil	Acrylic 26.7µm / 1.05mil
STR-SEAL-PLT - SealPlate®, Sterile	-40°C to +120°C				*				Polyester 50.8µm / 2mil	Acrylic 26.7µm / 1.05mil
SM-KIT-SP - SealPlate® SealMate™ Starter Kit	-40°C to +120°C				*				Polyester 38.1µm / 1.5mil	Acrylic 26.7µm / 1.05mil
RSMSP-2 - SealPlate® SealMate™ Replacement Rolls	-40°C to +120°C				*				Polyester 38.1µm / 1.5mil	Acrylic 26.7µm / 1.05mil
SP2-RL-500 - SealPlate® RollMate™	-40°C to +120°C				*				Polyester 50.8µm / 2mil	Acrylic 26.7µm / 1.05mil
B-100 - AeraSeal™, Breathable	-20°C to +80°C			*			*		Rayon / Acrylic 139.7µm / 5.5mil (Total)	
BS-25 - AeraSeal™, Breathable, Sterile	-20°C to +80°C			*			*		Rayon / Acrylic 139.7µm / 5.5mil (Total)	
SM-KIT-BS - AeraSeal™ SealMate™ Starter Kit, Sterile	-20°C to +80°C			*			*		Rayon / Acrylic 139.7µm / 5.5mil (Total)	
RSMB-2-S - AeraSeal™ SealMate™ Replacement Rolls, Sterile	-20°C to +80°C			*			*		Rayon / Acrylic 139.7µm / 5.5mil (Total)	

Sealing Films and Foils

Selection Guide by Application

Product Description	Catalog #'s	Plate / Tube Type						Application					
		Raised-Rim Microplates	Flat-Top Microplates	PCR 8-Tube Strips / Strip Wells / Single Plate Row	qPCR (Real-Time)	PCR	ELISA / Incubation / General Purpose	Cell / Tissue / Bacterial Culture	Long-Term Storage	Automation Compatible	Protein Crystallography	HPLC / Chromatography	Sonication
1X8 EZcap™ PCR FilmStrips™	US-CS1X8-400		*	*	*	*							
eXTReme™ Seal	XTR-100	*	*		*	*							
eXTReme™ Seal, Large	XTR-LG-100		*		*	*							
ThermalSeal RTS™, Optically Clear, Non-Tacky, Silicone Adhesive	TSS-RTQ-100	*	*		*				*		*	*	
ThermalSeal RTS™, Optically Clear, Non-Tacky, Silicone Adhesive, Sterile	TSS-RTQS-50	*	*		*				*		*	*	
ThermalSeal®	100-THER-PLT		*			*							
1X8 EZcap™ FoilStrips™	F2-CS1X8-300		*	*		*				*			
eXTReme™ FoilSeal™, Chemically Resistant	XTR-FOIL-100	*	*			*			*	*			
FoilSeal™ RollMate™, Chemically Resistant	F2-RL-500	*	*			*			*	*			
AlumaSeal II™, Easily Pierceable	AF-100		*			*			*	*			
AlumaSeal II™, Easily Pierceable, Sterile	AFS-25		*			*			*	*			
X-Pierce™	XP-100		*							*	*	*	
X-Pierce™, Sterile	XPS-25		*							*	*	*	
Zone-Free™	ZAF-PE-50		*							*	*		
1X8 EZcap™ General Purpose FilmStrips™	GP-CS1X8-400		*	*			*						
1X8 EZcap™ General Purpose FilmStrips™, Sterile	GPS-CS1X8-400		*	*			*						
SealPlate®	100-SEAL-PLT		*				*						
SealPlate®, Sterile	STR-SEAL-PLT		*				*						
SealPlate® SealMate™ Starter Kit	SM-KIT-SP		*				*						
SealPlate® SealMate™ Replacement Rolls	RSMSP-2		*				*						
SealPlate® RollMate™	SP2-RL-500		*				*						
AeraSeal™, Breathable	B-100		*						*				
AeraSeal™, Breathable, Sterile	BS-25		*						*				
AeraSeal™ SealMate™ Starter Kit, Sterile	SM-KIT-BS		*						*				
AeraSeal™ SealMate™ Replacement Rolls, Sterile	RSMB-2-S		*						*				