



Sealing Films

Compatibility Chart

Sealing Films - Compatibility Chart

					Product Codes				Plate Compatibility			Applications															
					Non-Sterile	Sterile	Roll	Large Cut for 384 well or Flat Top	96 well Flat Top	96 well Non-Skirted/ Raised-Rim	PCR 8-Tube Strips/ Strip wells/ Single Plate Row	Pierceability	qPCR (Real Time)	PCR	ELISA/Incubation/ General Purpose	Cell/ Tissue/ Bacterial Culture	Cold Storage	Short Term Storage	Long Term Storage	Automation Compatible/ High Throughput Screening	Protein Crystallography	HPLC/ Chromatography	Luminance/ Microscopy	Fluorescence/ Photoprotection	Sonication	Temperature range (°C)	
Adhesive Films																											
AbsorbMax Sealing Film	BK-50				X																	X	X			-40°C to +80°C	
BrightMax Sealing Film	LW2795				X																	X	X			-40°C to +80°C	
AlumaSeal	F-96-100		LW2722	F-384-100		X						X		X					X							-80°C to +120°C	
AlumaSeal CS	FC-100	LW2730			X							X					X		X							-80°C to +120°C	
AlumaSeal II	LW2780	LW2781			X							X		X					X							-80°C to +120°C	
AeraSeal™	LW2782	LW2783	LW2720		X							X			X											-20°C to +80°C	
SealMate™ AeraSeal™	LW2704	LW2714			X							X			X											-20°C to +80°C	
eXTReme™ FoilSeal™	LW2732			LW2731		X						X							X							-80°C to +120°C	
eXTReme Seal Film	LW2734			LW2733		X							X													-20°C to +120°C	
eXTReme 2 Seal Film	LW2793			LW2794		X							X													-20°C to +120°C	
SealMate™ eXTReme	SM-KIT-XTR				X								X													-20°C to +120°C	
EZcap™ FilmStrips™	LW2736				X			X					X													-20°C to +120°C	
EZcap™ FoilStrips™	LW2737				X	X	X	X				X		X												-20°C to +120°C	
EZCap General Purpose FilmStrips	LW2738	LW2739			X			X							X			X								-40°C to +120°C	
General Purpose Film	LW2740	LW2740S			X										X			X								-40°C to +120°C	
FoilSeal™	LW2744	LW2744S	F2-RL-500		X	X						X		X												-20°C to +120°C	
SealPlate	LW2770	LW2771	SP2-RL-500		X										X			X								-40°C to +120°C	
SealMate™ SealPlate	LW2700	LW2710			X										X			X								-40°C to +120°C	
SealPlate MiniStrips	LW2772	SPS-2X8-50			X		X								X			X								-40°C to +120°C	
SealPlate ColorTab, Assorted	SP-IDA-10*				X										X			X								-40°C to +120°C	
ThinSeal	LW2774	LW2775			X										X			X								-40°C to +120°C	
ThermalSeal®	LW2776	LW2777			X									X												-40°C to +120°C	
ThermalSeal2	TSA-100			LW2726		X								X												-40°C to +120°C	
ThermalSeal RT2	TS-RT2RR-100			LW2786		X							X													-40°C to +120°C	
ThermalSeal RTS Sealing Film	LW2790	LW2791	LW2724		X	X							X		X			X	X		X	X	X	X		-40°C to +120°C	
ThermalSeal MiniStrips™	LW2735						X							X												-40°C to +120°C	
ValueSeal™	LW2742				X										X			X								-40°C to +120°C	
EZ-Pierce Sealing Film	EZP-100	EZPS-25			X							X			X				X							-40°C to +90°C	
X-Pierce Film	LW2788	XPS-25		XP38450	X							X								X		X			X	-40°C to +90°C	
Zone Free Sealing Film	ZAF-PE-50			ZAF38450	X							X								X		X				-40°C to +90°C	
Heat Seal Films																											
ClearASeal Peel	IST-101-078LS		IST-101-078LR		X								X		X		X	X						X		-80°C to +80°C*	
ClearASeal Weld	IST-102-078LS		IST-102-078LR		X								X		X		X	X						X		-80°C to +110°C	
ClearASeal Perf	IST-111-078LS	IST-111-078LS	IST-111-078LR		X							X			X	X		X	X							-80°C to +110°C	
PeelASeal Foil	IST-104-078LS		IST-104-078LR		X									X			X	X								-80°C to +110°C	
PeelASeal Foil Super	IST-114-078LS		IST-114-078LR		X									X			X	X								-80°C to +110°C	
PierceASeal Foil	IST-106-078LS		IST-106-078LR		X							X		X				X	X							-20°C to +80°C	
ThermASeal Foil	IST-108-078LS		IST-108-078LR		X							X		X			X	X	X							-200°C to +110°C	
Gas PermASeal	IST-110-078LS	IST-110-078SS	IST-110-078LR		X							X			X	X		X								-20°C to +80°C	
Gas PermASeal II	IST-113-078LS	IST-113-078SS	IST-113-078LR		X							X				X		X								-20°C to +80°C	
Reusable Sealing Mat (Autoclavable)																											
EVA Cap Mats	LW9455	LW9456			X							X						X	X							-80°C to +80°C	
Sealing Mat for PCR Plates	LW2221				X	X						X		X				X	X							-20°C to +121°C	

* also available in individual colours

*to 110 °C with a pressurised heated PCR lid



Sealing Films

Microplates are a standard tool in analytical research and clinical diagnostic testing laboratories. They are used in virtually every Life Sciences application as they simplify the handling of large numbers of samples and enable automation.

Applications for sealing films mirror the applications for multi-well plates and tissue culture plates that have become ubiquitous in today's laboratories. These include enzyme-linked immunosorbent assays (ELISAs) and polymerase chain reaction (PCR) methods for amplification of nucleic acids for analysis and quantification, both classic and real-time. Other films are designed to support manual and robotic processing and storage of samples in high-throughput screening (HTS), to maximise signal to noise in fluorescence and luminescence assays, and to promote uniform gas exchange in cell and tissue culture procedures.

Heat Sealed Films:

Heat-sealing is a secure method for sealing microplates, creating an airtight chemically resistant seal without the potential complications of using adhesives for the application.

Adhesive Films:

Adhesive sealed films and foils can offer more permanent sealing and unlike lids and sealing mats which are for general use, films and foils are application based in their design and provide protection against evaporation, condensation, oxidation and cross contamination during processing, storage and shipment. Our application guides can help you choose the right seal for your particular application.

Adhesive seals are easily applied by hand using a sealing roller or paddle, making them ideal for use where smaller numbers of samples are processed. They are also available in roll format for use on sealing machines that can apply pressure without a high temperature for use where samples are heat sensitive and the throughput is high.

Sealing Mats:

Generally reusable and autoclavable, sealing mats are designed to provide a secure and protective cover for microplate wells, to help prevent evaporation and contamination.

They are chemical and heat resistant to provide an impermeable seal in a wide range of temperatures in applications such as PCR and storage.

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