



Excel Scientific offers a full product range to meet the specific needs of research and testing laboratories, biotech and pharmaceutical companies as well as diagnostic providers.

### Choose your sealing films and foils for these applications:

#### PCR & qPCR

ThermalSeal<sup>®</sup> films effectively minimize evaporation during thermal cycling and storage. Seals are engineered and produced to be RNase, DNase, DNA, & PCR inhibitor free. High optical clarity designs are available for qPCR.

#### ELISA, general incubation, & general storage

SealPlate<sup>®</sup> films for sensitive ELISA, EIA and similar assays minimize evaporation and edge effects, and preserve sample isolation.

#### Cell & Tissue Culture

AeraSeal<sup>™</sup> films optimize cell & tissue culture providing uniform gas exchange across plates, enabling oxygen and moisture to permeate the sealing film while segregating each sample.

#### Cold & Long-Term Storage

Alumaseal<sup>®</sup> foils offer RNase and DNase free sealing solutions that maintain seal integrity at temperature extremes from -80°C to 120°C. Harsh chemical resistant options are available.

#### Auto-Sampling

A pre-cut "X" over each well of our X-Pierce<sup>™</sup> films, creates flaps for easy sample access. The adhesive free zone of ZoneFree<sup>™</sup> film pierces easily without risk of adhesive fouling.

#### Specialty Films

AbsorbMax<sup>™</sup> film absorbs light, protecting light sensitive samples and reducing stray light in fluorescence assays. BrightMax<sup>™</sup> light reflecting film maximizes the signal intensity for luminescence assays.





Product Name	Excel Catalog Number	Functional Temp Range	Plate/Tube Type		Product Attribute														Application		Material Construction							
			Non-Skirted/Raised Rim	Flat-Top	Dual Component (Polycarbonate / Polypropylene)	PCR & Tube Strip/Strip Wells/Single Plate Row	Sterile	DNase- & RNase- Free	Chemically Resistant	Pierceable	Optically Clear	Transparent	Light Blocking	Breathable	PCR	qPCR	Short-Term Storage / Incubation / ELISA	Long-Term Storage	Cell / Tissue / Bacterial Culture	Protein Crystallography	MPCC	Fluorescence / Luminescence	Sonication	Film/Foil Thickness	Adhesive Thickness			
AeraSeal™	B-100	-20°C to +80°C	●																						Rayon / Acrylic 5.5mil / 139.7µm			
AeraSeal™, Sterile	BS-25	-20°C to +80°C	●				●																		Rayon / Acrylic 5.5mil / 139.7µm			
SealMate™ AeraSeal™ Kit	SM-KIT-B	-20°C to +80°C	●																						Rayon / Acrylic 5.5mil / 139.7µm			
SealMate™ AeraSeal™ Rolls	RSMB-2	-20°C to +80°C	●																						Rayon / Acrylic 5.5mil / 139.7µm			
SealMate™ AeraSeal™ Kit, Sterile	SM-KIT-BS	-20°C to +80°C	●				●																		Rayon / Acrylic 5.5mil / 139.7µm			
SealMate™ AeraSeal™ Rolls, Sterile	RSMB-2-S	-20°C to +80°C	●				●																		Rayon / Acrylic 5.5mil / 139.7µm			
eXTReme™ Seal	XTR-100	-20°C to +120°C	●					●																	Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm		
eXTReme™ Seal, Large	XTR-LG-100	-20°C to +120°C	●					●																		Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm	
eXTReme™ 2 Seal	XTR2-100	-20°C to +120°C	●					●																		Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm	
eXTReme™ 2 Seal, Large	XTR2-LG-100	-20°C to +120°C	●					●																		Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm	
ThermalSeal® A™	TSA-100	-40°C to +120°C	●					●																		Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm	
ThermalSeal® 2™	TS2-100	-40°C to +120°C	●					●																		Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm	
ThermalSeal®	100-THER-PLT	-40°C to +120°C	●					●																		Polypropylene 2.0mil/50.8µm	Acrylic 0.95mil/24.1µm	
ThermalSeal®, Sterile	STR-THER-PLT	-40°C to +120°C	●					●																			Polypropylene 2.0mil/50.8µm	Acrylic 0.95mil/24.1µm
EZcap™ 1x8 PCR Film Strips™	US-CS1X8-400	-20°C to +120°C	●			●																				Polyester 2.0mil/50.8µm	Acrylic 1.65mil/41.9µm	
ThermalSeal® 2x8 MiniStrips™	TS-2X8-50	-40°C to +120°C	●					●																		Polypropylene 2.0mil/50.8µm	Acrylic 0.95mil/24.1µm	
ThermalSeal® RTS™	TSS-RTQ-25	-80°C to +105°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyolefin 2.0mil/50.8µm	Silicone 2.0mil/50.8µm	
ThermalSeal® RTS™	TSS-RTQ-100	-80°C to +105°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyolefin 2.0mil/50.8µm	Silicone 2.0mil/50.8µm	
ThermalSeal® RTS™, Sterile	TSS-RTQS-50	-80°C to +105°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyolefin 2.0mil/50.8µm	Silicone 2.0mil/50.8µm	
ThermalSeal® RT2RR™	TS-RT2RR-100	-40°C to +120°C	●	●	●			●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil/50.8µm	Acrylic 1.15mil/29.2µm	
ThermalSeal® RT2™	TS-RT2-100	-40°C to +120°C	●	●	●			●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil/50.8µm	Acrylic 1.15mil/29.2µm	
X-Pierce™	XP-100	-40°C to +90°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Vinyl 3.5mil/88.9µm	Acrylic 0.7mil/17.8µm	
X-Pierce™, Sterile	XPS-25	-40°C to +90°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Vinyl 3.5mil/88.9µm	Acrylic 0.7mil/17.8µm	
Zone-Free™	ZAF-PE-50	-40°C to +90°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyethylene 2.75mil/69.9µm	Acrylic 1.05mil/26.7µm	
AbsorbMax™	BK-50	-40°C to +80°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Vinyl 8.0mil/203.2µm	Acrylic 1.45mil/36.8µm	
BrightMax™	WT-50	-40°C to +80°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Vinyl 8.0mil/203.2µm	Acrylic 1.45mil/36.8µm	
FoilSeal™	F2-100	-20°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil/50.8µm	Acrylic 1.45mil/36.8µm	
FoilSeal™, Sterile	F2S-50	-20°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil/50.8µm	Acrylic 1.45mil/36.8µm	
FoilSeal™ RollMate™	F2-RL-500	-20°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil/50.8µm	Acrylic 1.45mil/36.8µm	
EZcap™ 1x8 PCR Foil Strips™	F2-CS1X8-300	-20°C to +120°C	●	●		●		●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil/50.8µm	Acrylic 1.45mil/36.8µm	
AlumaSeal® II™	AF-100	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.4mil/35.6µm	Acrylic 1.1mil/27.9µm	
AlumaSeal® II™, Sterile	AFS-25	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.4mil/35.6µm	Acrylic 1.1mil/27.9µm	
AlumaSeal® 96™	F-96-100	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.5mil/38.1µm	Acrylic 1.48mil/37.6µm	
AlumaSeal® 384™	F-384-100	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.5mil/38.1µm	Acrylic 1.48mil/37.6µm	
AlumaSeal® CS	FC-100	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil/50.8µm	Acrylic 2.0mil/50.8µm	
AlumaSeal® CS, Sterile	FCS-25	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 2.0mil/50.8µm	Acrylic 2.0mil/50.8µm	
eXTReme™ FoilSeal™	XTR-FOIL-100	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.9mil/48.3µm	Acrylic 1.2mil/30.5µm	
eXTReme™ FoilSeal™, Large	XTR-FOILLG-100	-80°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Aluminum Foil 1.9mil/48.3µm	Acrylic 1.2mil/30.5µm	
SealPlate® RollMate™	SP2-RL-500	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate®	100-SEAL-PLT	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate®, Sterile	STR-SEAL-PLT	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® 2x8 MiniStrips™	SP-2X8-50	-40°C to +120°C	●	●		●		●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm Acrylic 1.05mil / 26.7µm	Acrylic 1.05mil / 26.7µm	
SealPlate® 2x8 MiniStrips™, Sterile	SPS-2X8-50	-40°C to +120°C	●	●		●		●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® ColorTab™, Assorted	SP-IDA-10	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® ColorTab™, Blue	SP-IDB-100	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® ColorTab™, Green	SP-IDG-100	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® ColorTab™, Lavender	SP-IDL-100	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® ColorTab™, Orange	SP-IDO-100	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealPlate® ColorTab™, Red	SP-IDR-100	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 2.0mil / 50.8µm	Acrylic 1.05mil / 26.7µm	
SealMate™ SealPlate® Kit	SM-KIT-SP	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm	
SealMate™ SealPlate® Rolls	RSMS-2	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm	
SealMate™ SealPlate® Kit, Sterile	SM-KIT-SPS	-40°C to +120°C	●	●				●	●	●					●	●	●	●	●	●	●	●	●	●	●	Polyester 1.5mil / 38.1µm	Acrylic 1.05mil / 26.7µm	
SealMate™ SealPlate® Rolls, Sterile	RSMS-2-S	-40°C to +120°C	●	●			</																					