

AdvanceSeal™ Heat Seal Pierceable Foil

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MFG-PS-451 Rev. A

Dimensional Information and Tolerances

CRITERIA	DIMENSIONAL INFORMATION / SPECIFICATIONS
Portrait Roll (W X L)	77.5mm x 610m ± 0.5 (3.05" x 2,001')
Landscape Roll (W x L)	114.5mm x 500m ± 0.5 (4.51" x 1640')
Core Inner Diameter	3.038"

Construction

LAYER	DESCRIPTION	THICKNESS
Top coat	N/A	N/A
Film	Coated Aluminum Foil	1mil ±15%
Sealant layer	Polyolefin	1.5mil ±15%

Activation Temperature Table

PLATE MATERIAL	RECOMMENDED TEMPERATURE	RECOMMENDED TIME
Polypropylene	145°C – 160°C	2 - 3 Seconds
Dual Component (polycarbonate/polypropylene)	145°C – 160°C	2 - 3 Seconds
COC	145°C – 160°C	2 - 3 Seconds
Polystyrene	75°C – 120°C	2 - 3 Seconds

Applications

- PCR
- Sample storage and transport
- Long term storage
- High throughput applications
- Automated applications
- Anaerobic Conditions
- Re-sealing pierced plates

Features & Benefits

- Hermetically seals plates to protect samples
- Highly impermeable to light, gas, and moisture
- Non-adhesive based design leaves no residue on pipette tips
- Provides a strong microbial barrier
- Ideal for small sample volumes
- Recommended for use at temperatures from -80°C to +105°C
- Certified free of detectable levels of RNase, DNase, and Human DNA (PCR Certified)
- PCR inhibitor-free
- Endotoxin-free
- Good chemical resistance (e.g. DMSO)