Optically Clear Weld Heat Seal

Optically clear heat sealing film, non-peelable, difficult to pierce; suitable for qPCR, optical applications and storage

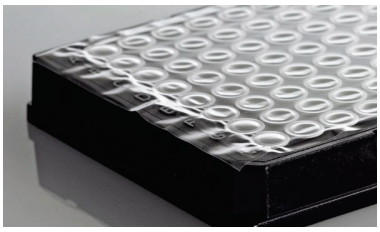
- Heat sealing offers a 100% effective method for plate sealing for a complete seal integrity, as well as being quick and cost effective
- Our Clear Weld Heat Seal is an optically clear polymer film forming a permanent seal to polypropylene plates
- The optical clarity of this seal enables its use for sealing plates required for imaging use, including fluorescent detection methods such as qPCR and colorimetric assays
- The Clear Weld Heat Seal forms a complete seal to a plate, enabling both low and very high temperature uses, including low temperature storage and high temperature incubations
- This seal is suitable for PCR/qPCR, even without the use of a pressurized heated lid, and is 100% effective when used in water bath thermal cyclers
- The permanent nature of this 100% effective seal renders it suitable for the storage and disposal of hazardous material
- Clear Weld Heat Seal demonstrates a good solvent resistance and can be utilized for long term compound storage
- Samples can be accessed by pre-piercing with a blade, needle or our Pierce Plate (4ti-0398)
- This seal is available as sheets, for use with manual and semi-automated sealers such as our Semi-Automated Sheet Heat Sealer
- Also available in multiple roll formats compatible with specified automated heat sealers, such as our Automated Roll Heat Sealer

Key Features

- Permanent seal
- Difficult to pierce
- Non-peelable
- Seal integrity range: -80°C to 110°C
- DMSO and solvent resistant
- Autoclavable (121°C)* Once autoclaved, not recommended for PCR applications
- Free from DNase, RNase, human genomic DNA, and endotoxin/pyrogen

Use

- Applications: suitable for PCR and qPCR, long term storage, and disposal of hazardous materials
- Seals polypropylene plates
- Compatible with water bath thermal cyclers



Seal Integrity Temperature Range	-80°C 110°C

*Once autoclaved, not recommended for PCR

Autoclavable



Options

- Sheet format: 125 x 78 mm, to fit all standard SBS footprint PCR and qPCR plates, microplates, assay and storage plates, from 12 well to 1536 well
- Roll format: available in a variety of roll dimensions, to suit your choice of automatic heat sealing equipment
- Non-gamma treated as standard; gamma treatment available upon request
- Also available with our FrameSeal™ technology, a disposable, rigid, plastic frame perfect for use with a robotic gripper to be used within an automation cell

Ordering Information

4ti-0573	**Clear Weld Heat Seal, optically clear heat sealing film,** 1 roll (610m x 78mm)[1]
4ti-0573/122	**Clear Weld Heat Seal, optically clear heat sealing film,** 1 roll (122m x 78mm)[1]
4ti-0573S	**Clear Weld Heat Seal, optically clear heat sealing film,** 1 sample roll (5m x 78mm)[1]
4ti-0574	**Clear Weld Heat Seal, optically clear heat sealing film,** 1 roll (500m x 115mm)[2]
4ti-0574S	**Clear Weld Heat Seal, optically clear heat sealing film,** 1 sample roll (5m x 115mm)[2]
4ti-0575**	**Clear Weld Heat Seal, optically clear heat sealing film,** 100 sheets (125 x 78mm) per case

[1] *Compatible with Azenta Semi-Automated Sheet Heat Sealer / Thermo Fisher ALPS 300™ and ALPS 3000™ / KBiosystems Wasp™ / KBioscience FlexiSeal and Cube*

[2] *Compatible with Agilent (Velocity 11) PlateLoc®*

** *Seals are inter-leaved with paper sheets. This helps to denote which side is the sealing side, plus aids removal of one sheet at a time from the pack*

DOMINIQUE DUTSCHER SAS