

## PierceNClear Heat Sealing Films

**Description :**

A clear heatseal film which is ideal for use with ABI 3730 sequencer. The film has good optical clarity and moderate solvent resistance, it is non-peelable and pierceable

**Validations :**

**Mass loss : Pass**

*Confirming the materials ability to resist high temperatures*

**Pierce : Pass**

*Measuring the force required to push a standardised needle through the material via compression measuring equipment*

**Optical : Pass**

*Determining the materials optical clarity by measuring the transmission of emissive dye through the material*

**Peel : No**

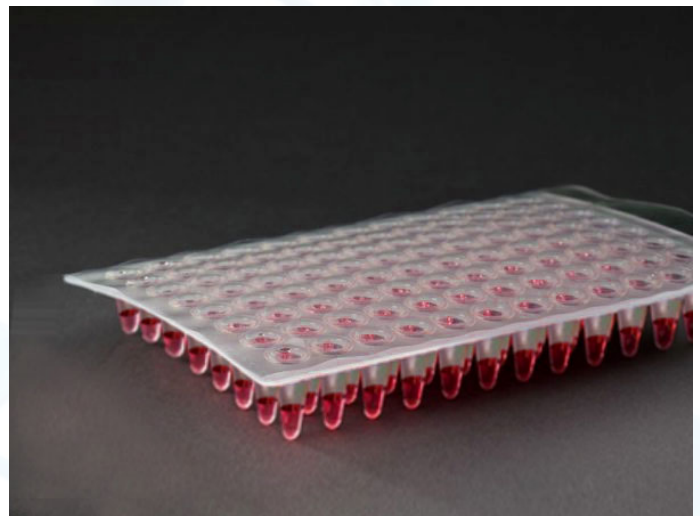
*Measuring the materials permanence of adhesion & its ability to be removed, via extension measuring equipment*

**Low temp seal test : Pass**

*Confirming the materials ability to resist low temperatures*

**Solvent : No**

*Evaluating the materials resistance to solvents (DMSO used as an aggressive standard)*


**Features**

<b>Visual description</b>	Clear and thick plastic seal. Sealing surface on inside of roll and is less reflective
<b>Application</b>	Recommended for use with the Abi 3730 Sequencer as the thinner structure pierces more easily
<b>Physical properties</b>	Flexible plastic, difficult to crease, upper surface feels very smooth, sealing side has a slight rough feel. Temperature range -80°C to 80°C or 110°C with pressurized PCR heated lids.
<b>Recommended storage conditions</b>	Store in a cool place. Avoid direct exposure to sunlight. It is recommended to use the seals within three years from the date of purchase. Three years when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight, in original packaging.
<b>Sealing Temp + Dwell Times</b>	Temperature and Dwell Time: 175°C, 2 seconds
<b>Plate types</b>	Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), Cyclo Olefin Copolymer (COC), Polycarbonate (PC)
<b>Compatible sealing equipment</b>	* Manual heat sealers ** Automated roll-fed heat sealers *** Agilent VII Plateloc, REMP (LHS/SHS)
<b>Dimensions</b>	125 x 78 mm

**Units : 100 sheets**