

## PeelNClear ChemPlus Heat Sealing Films

**Description :**

A strong, clear bonding film which is ideal for water thermal cyclers. The film has good optical clarity is solvent resistant and has a permanent seal. It is nonpierceable and non peelable.

**Validations :**

**Mass loss : Pass**

*Confirming the materials ability to resist high temperatures*

**Pierce : No**

*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**

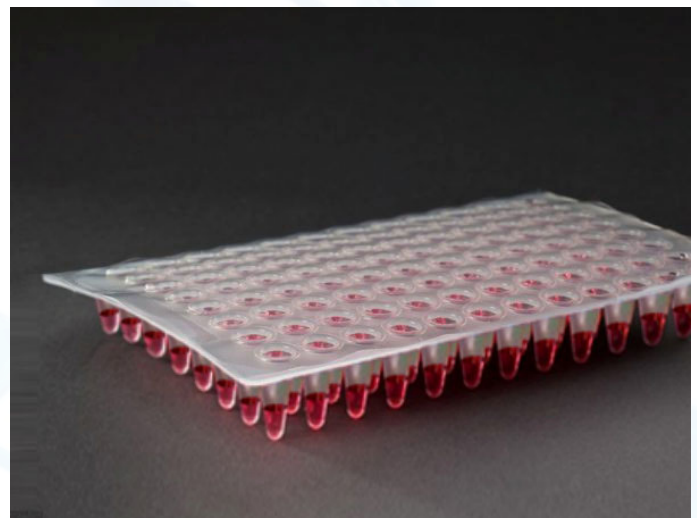
*Measuring the materials permanence of adhesion & its ability to be removed, via extension measuring equipment*

**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>	Very clear and thick plastic seal. The seals two sides are very similar, so care must be taken when sealing.
<b>Application</b>	qPCR, PCR, storage, sample inspection, disposal of hazardous materials, use with DMSO.
<b>Physical properties</b>	Flexible plastic, not easily creased upper feels very smooth, sealing surface on inside of roll and feels rougher to the touch. Temperature Range: -80°C to +110°C.
<b>Recommended storage conditions</b>	Store in a cool place. Avoid direct exposure to sunlight. It is recommended to use the seals within the expiry date shown on the label. Five 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)
<b>Compatible sealing equipment</b>	* Manual heat sealers ** Automated roll-fed heat sealers *** Agilent VII Plateloc, REMP (LHS/SHS)
<b>Dimensions</b>	500m x 115mm

**Units : 1 roll**