

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

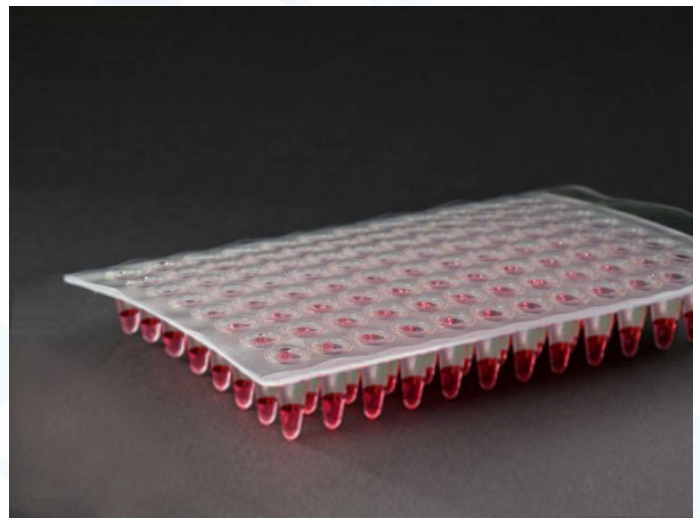
Measuring the materials permanence of adhesion & its ability to be removed, via extension measuring equipment

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

Visual description	Clear and thick plastic seal. Sealing surface on inside of roll and is less reflective
Application	Recommended for use with the Abi 3730 Sequencer as the thinner structure pierces more easily
Physical properties	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.
Recommended storage conditions	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.
Sealing Temp + Dwell Times	Temperature and Dwell Time: 175°C, 2 seconds
Plate types	Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), Cyclo Olefin Copolymer (COC), Polycarbonate (PC)
Compatible sealing equipment	* Manual heat sealers ** Automated roll-fed heat sealers *** Agilent VII Plateloc, REMP (LHS/SHS)
Dimensions	500m x 115mm

Units : 1 roll