

## RBX-102 Heat Sealing Film: ClearASeal Weld™

### Product 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 non-pierceable and non-peelable.

### Visual Description

Very clear and thick plastic seal. The seals two sides are very similar, so care must be taken when sealing.

### Plate Types:

Polypropylene (PP)

### Recommended Sealing Equipment:

### Physical Properties

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.

### Application

qPCR, PCR, storage, sample inspection, disposal of hazardous materials, use with DMSO.

### Suggested Parameters:

Temperature 175°C Time: 2 seconds.

Manual heat sealers, (hand fed type) & Automated roll-fed heat sealers:

Wildcat  
Kbiosystems  
Brooks / 4titude  
Agilent

## Test procedures

### Mass Loss

Confirming the materials ability to resist high temperatures

#### Details:

Mass loss of solution evaluated after 30 cycles of 3 step PCR Programme.

#### Equipment:

ABI Thermocycler, Precision Balance.

### Optical

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

#### Details:

Record the light transmission of a sealed microplate using a Flurophore dye stock solution and a microplate reader.

#### Equipment:

BMG Labtech -FluroStar.

### Low Temp Test

Confirming the materials ability to resist low temperatures

#### Details:

Microplates are sealed at specified low temperatures & subjected to a series of tests to substantiate seal integrity.

#### Equipment:

Laboratory Cold storage unit.

### 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

Ordering:			
Part Number	Format	Presentation	
RBX-1027801	LabRoll™	1 Roll	610M x 78 mm
RBX-1027801S	Sterile LabRoll™	1 Roll	610M x 78 mm
RBX-10211501	Sterile LabRoll™	1 Roll	500M x 115 mm
RBX-10211501S	VII LabRoll™	1 Roll	500M x 115 mm
RBX-1027802	LabSheet™	100 Sheets	125 mm × 78 mm
RBX-1027802S	LabSheet™	100 Sheets	125 mm × 78 mm
RBX-1027801T	Trial LabRoll™	1 Roll	5M × 78 mm
RBX-10211502T	Trial LabRoll™	1 Roll	5M × 115 mm
RBX-1027802T	Trial LabSheet™	5 Sheets	125 mm × 78 mm

