

## RBX-101 Heat Sealing Film: ClearASeal Peel™

### Product Description

A clear film with good optical clarity and moderate solvent resistant properties. The film is peelable and non-pierceable.

### Visual Description

Clear and thick plastic seal. Sealing surface on inside of roll and is less reflective.

### Plate Types:

Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), CycloOlefin Copolymer (COC), Polycarbonate (PC)

### Recommended Sealing Equipment:

### 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.

### Application

qPCR, short term compound storage.

### 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 Fluorophore dye stock solution and a microplate reader.

#### Equipment:

BMG Labtech -FluroStar.

### Peel

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

#### Details:

Cohesive Failure, Adhesive Transfer, Material tear & Successful Peel are measured & recorded after a 180° peel test.

#### Equipment:

Instron 3343 Tensiometer.

### 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-1017801	LabRoll™	1 Roll	500M x 78 mm
RBX-1017801S	Sterile LabRoll™	1 Roll	500M x 78 mm
RBX-10111501	Sterile LabRoll™	1 Roll	350M x 115 mm
RBX-10111501S	VII LabRoll™	1 Roll	350M x 115 mm
RBX-1017802	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1017802S	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1017801T	Trial LabRoll™	1 Roll	5M x 78 mm
RBX-10111502T	Trial LabRoll™	1 Roll	5M x 115 mm
RBX-1017802T	Trial LabSheet™	5 Sheets	125 mm x 78 mm

