

RBX-113 Heat Sealing Film Gas PermASeal 2™

Product Description

A 60gsm Paper with a grid lacquer coating to give a smooth peel, the Seal is Porous, Gas Permeable and a Barrier to Solid Contaminants.

Visual Description

Upper 60gsm paper. Seal side grid effect lacquer coating.

Plate Types:

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

Recommended Sealing Equipment:

Physical Properties

Breathable sealing film. Temperature Range: 20°C to +80°C.

Application

Short term Incubation, agriculture and seed storage, Insect storage and Cell Culture.

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

Pierce

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

Details:

5 tests run using a standardised needle, ensuring that less than 10N is required to pierce the surface & access the wells.

Equipment:

Instron 3343 Tensiometer.

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-1107801	LabRoll™	1 Roll	610M x 78 mm
RBX-1107801S	Sterile LabRoll™	1 Roll	610M x 78 mm
RBX-11011501	Sterile LabRoll™	1 Roll	500M x 115 mm
RBX-11011501S	VII LabRoll™	1 Roll	500M x 115 mm
RBX-1107802	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1107802S	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1107801T	Trial LabRoll™	1 Roll	5M x 78 mm
RBX-11011502T	Trial LabRoll™	1 Roll	5M x 115 mm
RBX-1107802T	Trial LabSheet™	5 Sheets	125 mm x 78 mm

