

QuickSeal Micro™ IST-125 Transparent Peelable Adhesive Film for Storage

Product Description

A transparent adhesive film which is suitable for sample storage. The seal is non-pierceable and peelable with a medium strength.

Visual Description

Opaque, Thin, Plastic material.

Physical Properties

Polypropylene – PP – Top Coated, Gloss Clear TC PP
 Temperature Range: -20°C to +80°C

Application

Sample Storage (aqueous), low cost cover for application like centrifugation.

Test Procedures:

Mass Loss	Confirming the materials ability to resist high temperatures	Results:	PASS
------------------	--	-----------------	-------------

Details: Mass loss of solution evaluated after 30 cycles of 3 step PCR Programme. **Equipment:** ABI Thermocycler, Precision Balance.

Pierce	Measuring the force required to push a standardised needle through the material via compression measuring equipment.	Results:	N/A
---------------	--	-----------------	------------

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 Tensometer.

Optical	Determining the materials optical clarity by measuring the transmission of emissive dye through the material	Results:	PASS
----------------	--	-----------------	-------------

Details Record the light transmission of a sealed microplate using a Flurophore 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.	Results:	PASS
-------------	--	-----------------	-------------

Details Cohesive Failure, Adhesive Transfer, Material tear & Successful Peel are measured & recorded after a 180° peel test. **Equipment** Instron 3343 Tensometer.

Low Temp. Seal Test	Confirming the materials ability to resist low temperatures	Results:	PASS
----------------------------	---	-----------------	-------------

Details: Microplates are sealed at specified low temperatures & subjected to a series of tests to substantiate seal integrity. **Equipment:** Laboratory Cold storage unit.

Solvent	Evaluating the materials resistance to solvents (DMSO used as an aggressive standard)	Results:	N/A
----------------	---	-----------------	------------

Details Sealed plate is subjected to a high concentration of DMSO for a time period at low temperatures after which seal damage & volume loss are determined. **Equipment** Laboratory Cold storage unit, DMSO solution.

Recommended Storage Conditions:

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.

Plate Types:

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

Recommended Sealing Equipment:

KAPS 500/Sealit 100/Manual Roller IST-202-102HR

Ordering:

Part Number	Format	Presentation	
IST-125-080LR	Std LabRoll™	1 Roll	110M × 80mm
IST-125-080SR	Sterile LabRoll™	1 Roll	110M × 80mm
IST-125-080LS	Std LabSheet™	100 Sheets	135mm × 80mm
IST-125-080SS	Sterile LabSheet™	100 Sheets	135mm × 80mm
IST-125-080TS	Trial LabSheet™	5 Sheets	135mm × 80mm