

QuickSeal PCR™

IST-120 Self Adhesive Sealing Film

Product Description	A transparent, optically clear, non-tacky film which adheres only when pressure is applied. It is non pierceable and peelable.	Physical Properties	Pressure sensitive adhesive tape, so the seal side doesn't feel sticky, mainly used for bonding materials to various substrates. Temperature Range: -80°C to +120°C
Visual Description	Clear plastic, reflective, glossy on the top with white tape liner.	Application	PCR ((94 or 384well), and situations where fluorescence is experienced and optical clarity is required and sample storage.

Test procedures

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.
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 Tensometer.
Low Temp. Seal 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.

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 product.
Five years from DOM 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), Polycarbonate (PC)

Ordering:

Part Number	Format	Presentation	
IST-120-080LR	LabRoll™	1 Roll	100M x 80 mm
IST-120-080SR	Sterile LabRoll™	1 Roll	100M x 80 mm
IST-120-080LS	LabSheet™	100 Sheets	135 mm x 80 mm
IST-120-080SS	Sterile LabSheet™	100 Sheets	135 mm x 80 mm
IST-120-080TS	Trial LabSheet™	5 Sheets	135 mm x 80 mm