

PeelASeal Foil™

IST-104 Heat Sealing Film

Product Description	A peelable, foil laminate heatseal film which is suited for Polypropylene plates. The film has a good liquid barrier and moderate resistance to solvents. It is peelable (from -80°C freezer) and is non-pierceable.	Physical Properties	Flexible, not easily creased. Temperature Range: -80°C to +110°C
Visual Description	Metallic with upper surface gloss white. Seal surface metallic burnished foil.	Application	PCR, low temperature, short term compound storage, midterm room temperature compound storage.

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.	
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 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
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Sealing Temp + Dwell Times:	Temperature and Dwell Time: 175°C, 2 seconds.
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Plate Types:	Polypropylene (PP), welds to Polyethylene (PE) and certain CycloOlefin Copolymer (COC)
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Recommended Sealing Equipment:	*Manual heat sealers ** Automated roll-fed heat sealers *** Agilent VII Plateloc, REMP (LHS/SHS)
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Ordering:			
Part Number	Format	Presentation	
IST-104-078LR**	LabRoll™	1 Roll	610M x 78 mm
IST-104-078SR**	Sterile LabRoll™	1 Roll	610M x 78 mm
IST-104-115SR***	Sterile LabRoll™	1 Roll	500M x 115 mm
IST-104-115LR***	VII LabRoll™	1 Roll	500M x 115 mm
IST-104-078LS*	LabSheet™	100 Sheets	125 mm x 78 mm
IST-104-078SS*	LabSheet™	100 Sheets	125 mm x 78 mm
IST-104-078TR*	Trial LabRoll™	1 Roll	5M x 78 mm
IST-104-115TR	Trial LabRoll™	1 Roll	5M x 115 mm
IST-104-078TS	Trial LabSheet™	5 Sheets	125 mm x 78 mm