



iST QuickSeal™

Heat Sealing application guide

	Product Description	Appearance	Solvent resistance	Temp Range °C	Gas Permeable
	ClearASeal Peel Clear Peelable film with moderate solvent resistance	Transparent Film	moderate	-80 to 80	No
	ClearASeal Pierce for ABi 3730 Clear pierceable film with moderate solvent resistance	Transparent Film	moderate	-80 to 80, or 110 with pressurised PCR heated lids	No
	ClearASeal Weld Clear strong bond heat seal for water bath PCR	Transparent Film	Good, DMSO	-80 to 110	No
	PeelASeal Foil Peelable foil for PP plates	Foil (white laminate)	moderate	-80 to 110	No
	PeelASeal DMSO Foil DMSO Resistant Foil Peel Seal	Foil	Excellent	-80 to 80	No
	PierceASeal Foil Pierceable foil seal with good solvent resistance	Foil with green dashed line	Good, DMSO	-20 to 120	No
	PierceASeal Foil PS High grade pierceable peelable foil seal with good solvent resistance	Foil with solid green line	Good, DMSO	-20 to 110	No
	ThermASeal Foil Strong bonding foil to PP for water thermal cyclers	Foil	Good, DMSO	-200 to 110	No
	PeelASeal Black Foil Peelable low fluorescence foil for light sensitive	Black Foil	Good, DMSO	-20 to 80	No
	Gas PermASeal non-woven gas permeable peelable, for cell culture	Non-woven cream	None	-20 to 80	Yes, impervious to fluids
	ClearASeal Perf Clear perforated gas permeable film for cell & seed culture	Transparent Film, perforated	moderate	-80 to 80	Yes

IST QuickSeal™ Heat Sealing product codes

Peelable/ Pierceable	Plates Types	PCR Temp & Dwell Time	Application
Peelable	PP, PE, PS, COC	180°C 2 secs	qPCR, short term compound storage
ierceable	PP, PE, PS, COC	175°C 2 secs	Recommended for use with Abi 3730 PCR sequencer
No	PP	175°C 2 secs	Optically clear, ideal for water bath PCR, use with DMSO & hazardous materials
peelable	PP	175°C 2 secs	PCR, good liquid barrier, low temp short term compound storage, can be re-sealed
peelable	PP	175°C 2 secs	Compound storage at low & ambient temperature, with DMSO 7 other solvents
ierceable	PP, PS	175°C 2 secs	PCR, compound storage, sample shipping, can be sealed over existing seal
ierceable, peelable to PS plates	PP, PS	175°C 2 secs	PCR, low temp compound storage, short term ambient temp storage, can be re-applied.
peelable	PP	175°C 2 secs	PCR, ideal for water bath thermo cyclers, long term compound storage for hazardous materials
peelable	PP, PS	190°C 3 secs	Ideal for light sensitive or fluorescent applications
ierceable peelable	PP, PS	160°C 2 secs	Short term incubation, agriculture & seed storage, cell culture, for use in autoclaves
peelable	PP, PE, PS, COC	175°C 2 secs	Short term incubation, seed & insect storage, cell culture, can be resealed for transport

Sealing equipment	
	KBS Wasp, Chameleon, Kube, Flexiseal, ThermoALPS300/3000, REMP Portrait (78mm)
	Agilent VII PlateLoc, REMP Landscape (115mm)
	KBS EFLY², Kseal, 4s2

ClearASeal Peel			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-101-078LR
	1 Sterile LabRoll	500m x 78mm	IST-101-078SR
	1 VII Std LabRoll	350m x 115mm	IST-101-115LR
	1 Sterile VII LabRoll	350m x 115mm	IST-101-115SR
	100 Std LabSheets	125mm x 78mm	IST-101-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-101-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-101-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-101-115TR
	Trial Sheets	125mm x 78mm	IST-101-078TS

ClearASeal Pierce for ABI 3730			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-103-078LR
	1 Sterile LabRoll	610m x 78mm	IST-103-078SR
	1 VII Std LabRoll	500m x 115mm	IST-103-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-103-115SR
	100 Std LabSheets	125mm x 78mm	IST-103-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-103-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-103-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-103-115TR
	Trial Sheets	125mm x 78mm	IST-103-078TS

ClearASeal Weld			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-102-078LR
	1 Sterile LabRoll	610m x 78mm	IST-102-078SR
	1 VII Std LabRoll	500m x 115mm	IST-102-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-102-115SR
	100 Std LabSheets	125mm x 78mm	IST-102-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-102-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-102-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-102-115TR
	Trial Sheets	125mm x 78mm	IST-102-078TS

PeelASeal Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-104-078LR
	1 Sterile LabRoll	610m x 78mm	IST-104-078SR
	1 VII Std LabRoll	500m x 115mm	IST-104-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-104-115SR
	100 Std LabSheets	125mm x 78mm	IST-104-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-104-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-104-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-104-115TR
	5 Trial Sheets	125mm x 78mm	IST-104-078TS

ThermASeal Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-108-078LR
	1 Sterile LabRoll	500m x 78mm	IST-108-078SR
	1 VII Std LabRoll	350m x 115mm	IST-108-115LR
	1 Sterile VII LabRoll	350m x 115mm	IST-108-115SR
	100 Std LabSheets	125mm x 78mm	IST-108-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-108-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-108-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-108-115TR
	Trial Sheets	125mm x 78mm	IST-108-078TS

PeelASeal DMSO Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-105-078LR
	1 Sterile LabRoll	500m x 78mm	IST-105-078SR
	1 VII Std LabRoll	500m x 115mm	IST-105-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-105-115SR
	100 Std LabSheets	125mm x 78mm	IST-105-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-105-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-105-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-105-115TR
	Trial Sheets	125mm x 78mm	IST-105-078TS

PeelASeal Black Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-109-078LR
	1 Sterile LabRoll	500m x 78mm	IST-109-078SR
	1 VII Std LabRoll	350m x 115mm	IST-109-115LR
	1 Sterile VII LabRoll	350m x 115mm	IST-109-115SR
	100 Std LabSheets	125mm x 78mm	IST-109-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-109-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-109-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-109-115TR
	Trial Sheets	125mm x 78mm	IST-109-078TS

PierceASeal Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-106-078LR
	1 Sterile LabRoll	610m x 78mm	IST-106-078SR
	1 VII Std LabRoll	500m x 115mm	IST-106-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-106-115SR
	100 Std LabSheets	125mm x 78mm	IST-106-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-106-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-106-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-106-115TR
	5 Trial Sheets	125mm x 78mm	IST-106-078TS

Gas PermASeal			
Key	Pack	Size	Product code
	1 Std LabRoll	200m x 78mm	IST-110-078LR
	1 Sterile LabRoll	200m x 78mm	IST-110-078SR
	1 VII Std LabRoll	200m x 115mm	IST-110-115LR
	1 Sterile VII LabRoll	200m x 115mm	IST-110-115SR
	100 Std LabSheets	125mm x 78mm	IST-110-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-110-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-110-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-110-115TR
	5 Trial Sheets	125mm x 78mm	IST-110-078TS

PierceASeal Foil PS			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-107-078LR
	1 Sterile LabRoll	610m x 78mm	IST-107-078SR
	1 VII Std LabRoll	500m x 115mm	IST-107-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-107-115SR
	100 Std LabSheets	125mm x 78mm	IST-107-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-107-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-107-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-107-115TR
	5 Trial Sheets	125mm x 78mm	IST-107-078TS

ClearASeal Perf			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-111-078LR
	1 Sterile LabRoll	500m x 78mm	IST-111-078SR
	1 VII Std LabRoll	350m x 115mm	IST-111-115LR
	1 Sterile VII LabRoll	350m x 115mm	IST-111-115SR
	100 Std LabSheets	125mm x 78mm	IST-111-078LS
	100 Sterile Labsheets	125mm x 78mm	IST-111-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-111-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-111-115TR
	5 Trial Sheets	125mm x 78mm	IST-111-078TS