

Heat Sealing Folien

	Clear Heat Seals			Peelable Heat Seals				Foil Heat Seals			Gas Permeable Heat Seals	
	Clear Heat Seal	Clear Weld Heat Seal Mark 2	Clear Heat Seal 3730	Peel Heat Seal	DMSO Resistant Peel Heat Seal	96 INDI™ Heat Seal	Pierce Heat Seal	Foil Heat Seal	Polystyrene Foil Heat Seal	Thermal Bond Heat Seal	Gas Permeable Heat Seal Mark 2	Gas Permeable Clear Heat Seal
Art. Nr. Folie	600028	600058		600068	600078	600048	600108	600098	600099	600088	600138	600141
Art. Nr. Rolle	600020	600050	600038	600060	600070		600100	600090		600080		
Application	qPCR Short term compound storage	PCR, esp. water bath cyclers qPCR Storage & disposal of hazardous materials	qPCR and for use with ABI 3730 Sequencer	Low temperature compound storage Short term room temperature compound storage (<5 days) PCR	DMSO Resistant Peel Heat Seal	Compound storage Sample shipping Low temperature storage and high temperature incubations	PCR Compound storage Sample shipping	Low temperature compound storage Short-term room temperature compound storage PCR	Low temperature compound storage Short-term room temperature compound storage PCR	Low temperature transportation & storage PCR, esp. water bath cyclers Storage of organic solvents, acids & alkalines	Cell culture Over night incubation Seed and insect storage	Storage e.g. for seeds or insects
Special Properties	Good optical clarity Moderate solvent resistance	Good optical clarity Resistance to DMSO	Good optical clarity Some solvent resistance	Can be peeled directly from -80°C freezer Moderate resistance to solvents at room temperature	Can be peeled directly from -80°C freezer High resistance to solvents even at elevated temperatures	96 perforated individual sealing caps in a foil frame Can be resealed Good solvent resistance, including DMSO	Easily pierceable Resistant to DMSO Re-sealable with another Pierce Heat Seal Colour print identifies nonsealing surface	Re-sealable with another Foil Seal Resistant to DMSO Colour print identifies nonsealing surface	Re-sealable with another Foil Seal Resistant to DMSO	Very strong seal with PP Resistant to DMSO and other solvents	Small pore size of 20 µm allows gaseous exchange & limits evaporation Gas permeability: 180 m3/m2/day Moisture vapour transmission: 20g/m2/day	3 mm slits across entire surface of seal makes this permeable to gases
Seal Integrity Min Temperature	-80°C	-80°C	-20°C	-80°C	-80°C	-195°C	-20°C	-20°C	-20°C	-200°C	-20°C	-80°C
Seal Integrity Max Temperature	80°C (or 110°C with pressurised heated PCR lid)	110°C	80°C (or 110°C with pressurised heated PCR lid)	90°C (or 110°C with pressurised heated PCR lid)	40°C	120°C	120°C	110°C	110°C	110°C	80°C	100°C material integrity (not seal)
Pierceable			X			X	X	X	X		X	X
Peelable	X			X	X	X		X	X	X	X	X
RNase/DNase free	X	X	X	X	X	X	X	X	X	X	X	X
Material	Laminate	Polymer	Polymer	Laminate	Laminate	Laminate	Foil	Foil	Foil	Laminate	Woven material	Laminate
Seals to	PP, PE, PS, PC, COC	PP	PP, PE, PS, COC	PP, COC	PP, PE, COC	PP	PP, PS	PP, PS	PP, PS, PC	PP	PP, PS, COC	PP, PE, PS, COC
Sealing parameters with 96 Well PP Plates	175-185°C 2-3 s	175-185°C 2-3 s	165-175°C 3 s	175-185°C 3 s	175-185°C 3 s	175°C 3 s	160-175°C 2 s	165-180°C 2 s	165-180°C 2 s	170-180°C 2-3 s	170°C 2 s	175-185°C 2-3 s
Sealing parameters with 384 Well PP Plates	165-180°C 3 s	170-175°C 2-3 s	165-175°C 2 s	170-175°C 2-3 s	170-175°C	N/A	160-175°C 2 s	165-175°C 2-3 s	165-175°C 2-3 s	160-170°C 2 s	170°C 2 s	165-180°C 3 s

Biozym Scientific GmbH – Steinbrinksweg 27 - D-31840 Hessisch Oldendorf
Tel.: +49 (0)5152-9020 - Fax: +49 (0)5152-2070 - support@biozym.com

Biozym Biotech Trading GmbH – Wehlstr. 27b – A-1200 Wien
Tel.: +43 (1)3340156-0 - Fax: +43(1)3340156-88 - wien@biozym.com

www.biozym.com