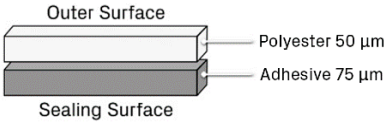
Parameter	Specification	
Description	Peelable heat sealing film, optically clear; suitable for qPCR and optical applications.	
Composition	Clear polyester backed film, forming a peelable seal to PP and PS plates.	
Seal Type	Heat.	
Ordering Information	4ti-0540	500 x 78 mm roll Compatible with Automated Roll Heat Sealer, Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube Finished dimensions 480 m x 78 mm (splice free).
	4ti-0540/80	80 m x 78 mm roll Compatible with Automated Roll Heat Sealer with ductcover.
	4ti-0540/REMP	500 x 78 mm roll Compatible with REMP Portrait Heat Sealer (PHS).
	4ti-0542	350 x 115 mm roll Compatible with Agilent (Velocity 11) PlateLoc® Finished dimensions 350 m x 115 mm (splice free).
	4ti-0542/REMP	350 x 115 mm roll Compatible with REMP Landscape / Stacking Heat Sealers(LHS/SHS)
	4ti-0541	100 sheets (125 x 78 mm) Supplied interleaved with dust-free paper for improved handling.
	4ti-0541/FS	50 FrameSeal™ stackable frames
Application	qPCR, and other optical applications (e.g. fluorescence / colorimetric), short term compound storage.	
Certification	Free from human genomic DNA, nucleases, and pyrogens.	
Seal Integrity Range	-80°C to 80°C (110°C with pressurised PCR heated lid).	
Storage Conditions	Room temperature. Avoid direct exposure to light and high humidity.	
Material Safety Data	Non-hazardous.	
Schematic Overview		

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Parameter	Specification		
Sealing Parameters^	96-well PCR Plate	175-185 °C, 2-3 seconds	
	384-well PCR Plate	165-180 °C, 3 seconds	
	Vision Plate™	185-200 °C, 3 seconds	
Physical Properties	Thickness	Polyester: Copolymer Adhesive: Total:	50 µm (±5%) 75 µm (±5%) 125 µm (±5%)
	Colour	Polyester: Copolymer Adhesive:	Clear Clear
	Light Stability	Very good.	Estimate 35 years at 500 lux.
	Oil Resistance	Good	
	AcidResistance	Good (mild acids only)	
	AlkaliResistance	Good	
	Surface Dyne Level	Good	
	HeatResistance	-25 °C to 115 °C	
	Yellowing	None	
	Seal Strength	65 N/25 mm	

**These are recommended sealing conditions for the 4s3™ heat sealer.*

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