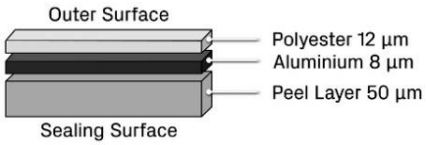
Parameter	Specification	
Description	Peelable heat sealing foil; suitable for low temperature storage, high temperature uses and PCR.	
Composition	Thin aluminium foil bonded to Polyester surface layer and heat sealable with a thick peel layer to PP and COC microplates. Can be peeled directly from the freezer. Good barrier resistance to aqueous solutions. Moderate resistance to solvents at room temperature. Forms weld seal to polyethylene plates.	
Seal Type	Heat.	
Ordering Information	4ti-0520	610 m x 78 mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube
	4ti-0520/122	122 m x 78 mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer with optional dust cover
	4ti-0522	500 m x 115 mm roll Compatible with Agilent (Velocity 11) PlateLoc®
	4ti-0521/RA-TAB	100 sheets, with 96 individually tabbed foil discs each (127 mm x 100 mm)
	4ti-0521	100 sheets (125 mm x 78 mm)
	4ti-0521/RA-8	100 sheets, with 12 tabbed strips each (127 mm x 100 mm)
Application	Low temperature compound storage. Short term (up to 5 days) room temperature compound storage. PCR.	
Certification	Free from human genomic DNA, nucleases and pyrogens.	
Storage Conditions	Room temperature (10-27°C). Avoid direct exposure to light and high humidity.	
Material Safety Data	Non-hazardous.	
Schematic Overview		
Seal Integrity Range	-80°C to 90°C (110°C with a pressurised PCR heated lid).	
Sealing Parameters^	96-well PCR Plate	175-185°C, 3 seconds

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Parameter	Specification		
	384-well PCR Plate	170-175 °C, 2-3 seconds	
Sealing Parameters^	Vision Plate™		
Physical Properties	Thickness:	Polyester Aluminium Peel Layer	12.00 µm (±0.13%) 8.00 µm 50.00 µm (±2.0%)
	Tensile Strength:	>30 N/cm	±5.0%
	Sealing Strength (against itself):	1.8	N/cm
	Water Vapour Transmission Rate:	<0.1g/m^2	38 °C and 90% RH
	OxygenTransmission Rate:	<0.1ml/m^2	23 °C and 60% RH

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

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