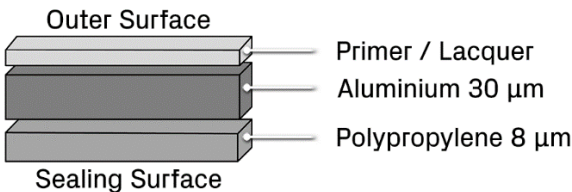




Parameter	Specification		
Description	A foil-based heat seal that heat seals to PP and COC plates and can be easily pierced with a tip. It is also Peelable from COC but forms a weld seal with PP. Very good solvent resistance, including DMSO.		
Seal Type	Heat.		
Ordering Information	4ti-0538	610 m x 78 mm roll Compatible with Azenta Automated Roll Heat Sealer /Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube.	
	4ti-0539	500 m x 115 mm roll Compatible with Agilent (Velocity 11) PlateLoc®	
	4ti-05381	100 sheets (125 mm x 78 mm)	
	4ti-05381/RA	100 sheets, Random Access seals with 96 individual	
Application	PCR, compound storage, sample shipping.		
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	 <p style="text-align: center;"><b>Outer Surface</b></p> <p style="text-align: center;">Primer / Lacquer</p> <p style="text-align: center;">Aluminium 30 µm</p> <p style="text-align: center;">Polypropylene 8 µm</p> <p style="text-align: center;"><b>Sealing Surface</b></p>		
Seal Integrity Range	-20 °C to 120 °C		
Sealing Parameters <sup>^</sup>	96-well PCR Plate	170-180 °C, 2 seconds	
	384-well PCR Plate	170-180 °C, 2 seconds	
	UltraVision Plate™ (COC)	180-200 °C, 3 seconds	
Physical Properties	Weight	Primer /Lacquer	1.5 g/m <sup>2</sup> (±1)
	Thickness/weight	Aluminium	30 µm (±8%) / 81 g/m <sup>2</sup> (±8%)
	Thickness/weight	Polypropylene	8 µm / 3.5 g/m <sup>2</sup> (±1)
Material Properties	Water Vapour Transmission Rate ≤0.01 g/m <sup>2</sup> x d (≤ detection limit) at 23 °C / 100% r.h.		
	Oxygen Transmission Rate ≤0.005 cm <sup>2</sup> /m <sup>2</sup> x d (≤ detection limit) at 23 °C / 50% r.h.		

<sup>^</sup>These are recommended sealing conditions with the Azenta Semi-Automatic Sheet Heat Sealer.

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