



Parameter	Specification					
Description	Thin polyester heat sealing film, easily pierceable with auto sampler needles/ABI® 3730; suitable for PCR, qPCR, and optical applications.					
Composition	Thin clear polyester backed film that seals to PP, PS, PE & COC plates. Not suitable for peeling.					
Seal Type	Heat.					
Ordering Information	4ti-0580	610 m x 78 mm roll Compatible with Automated Roll Heat Sealer, Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystemsWasp™, KBioscience FlexiSeal and Cube				
	4ti-0580/122	122 m x 78 mm roll Compatible with Automated Roll Heat Sealer with optional dust cover				
	4ti-0582	500 m x 115 mm roll Compatible with Agilent (Velocity 11) PlateLoc®				
	4ti-0581	Roll of 1000 perforated sheets (125 x 78 mm)				
Application	QPCR and other optical applications such as fluorescence or colorimetric measurements. The thin nature of this seal enables it to be easily pierced with an auto sampler needle or the probe from the ABI 3730 sequencer.					
Certification	Free from human genomic DNA, nucleases, and pyrogens.					
Seal Integrity Range	-20 °C to 80 °C or 110 °C with pressurised PCR heated lid.					
Storage Conditions	Room temperature (10-27 °C). Avoid direct exposure to light and high humidity.					
Material Safety Data	Non-hazardous					
Schematic Overview	<p>Outer Surface</p> <p>Polyester 19 µm</p> <p>Heat Activated Adhesive 56 µm</p> <p>Sealing Surface</p>					
Pierce Force	~6.0 N (ASTM D1000)					
Sealing Parameters <sup>^</sup>	96-well PCR Plate	165-175 °C, 3 seconds				
	384-well PCR Plate	165-175 °C, 2 seconds				
	Vision Plate™	175-185 °C, 2-3 seconds				
Physical Properties	Thickness	<table border="1"> <tr> <td>Polyester</td> <td>19.00 µm</td> </tr> <tr> <td>Heat Activated Adhesive</td> <td>56.00 µm</td> </tr> </table>	Polyester	19.00 µm	Heat Activated Adhesive	56.00 µm
	Polyester	19.00 µm				
Heat Activated Adhesive	56.00 µm					
Seal Strength	>60 N/25 mm					

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

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