



Parameter	Specification		
Description	Peelable heat sealing film, optically clear, with 3 mm slits for gas transfer; suitable for insect studies, seed storage.		
Composition	Clear Polyester backed film forming a peelable seal to PP and PS plates. 3mm slits across the entire width of the roll or sheet.		
Seal Type	Heat.		
Ordering Information	4ti-0540/SLIT	450m x 78mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer, Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube.	
	4ti-0541/SLIT	100 sheets (125mm x 78mm)	
Application	Gas permeable heat seal, suitable for insect studies, seed storage.		
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>Outer Surface</p> <p>Polyester 50 µm</p> <p>Adhesive 75 µm</p> <p>Sealing Surface</p>		
Seal Integrity Range	-80 °C to 110 °C		
Sealing Parameters	96-well PCR Plate	175-185 °C, 2-3 seconds	
	384-well PCR Plate	165-180 °C, 3 seconds	
Sealing Parameters	Vision Plate™	185-200 °C, 3 seconds	
Physical Properties	Thickness	Polyester: Co-Polymer Adhesive: Total:	50.00 µm (±5%) 75.00 µm (±5%) 125.00 µm (±5%)
	Surface Dyne Level	Good	
	Acid Resistance	Good (mild acids only)	
	Alkali Resistance	Good	
	Heat Resistance	-25 °C to 115 °C	
	Oil Resistance	Good	
	Light Stability	Very good (35 years at 500 lux)	

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GAS PERMEABLE CLEAR HEAT SEAL DATA SHEET

SEV-0019
REVISION C
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Parameter	Specification		
	Yellowing	None	
	Applications	Indoor: Outdoor:	Extreme conditions Mild conditions
	Operating Temperature	90 °C to 110 °C	
	Sealing Temperature	3-5 N/15 mm	

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

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