

Tel: +44 (0) 1306 884885 Fax: +44 (0) 1306 884886

### Gas Permeable Clear Heat Seal

**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, PS and COC 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:**



Outward surface ↑ Polyester 50µm  
 Sealing surface ↓ Adhesive 50µm

**Seal Integrity Range:** -80°C to 110°C

**Sealing Parameters<sup>^</sup>**

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:**

<b>Thickness:</b>	Polyester: 50.00µm (±5%) Co-Polymer Adhesive: 50.00µm (±5%) Total: 100µm (±5%)
<b>Surface Dyne Level:</b>	Good
<b>Acid Resistance:</b>	Good (mild acids only)
<b>Alkali Resistance:</b>	Good
<b>Heat Resistance:</b>	-25°C to 115°C
<b>Oil Resistance:</b>	Good

Tel: +44 (0) 1306 884885 Fax: +44 (0) 1306 884886

<b>Light Stability:</b>	Very good (35 years at 500 lux)	
<b>Yellowing:</b>	None	
<b>Applications</b>	Indoor:	Extreme conditions
	Outdoor:	Mild conditions
<b>Operating Temperature:</b>	90°C to 110°C	
<b>Sealing Strength:</b>	3-5N/15mm	

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