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### Gas Permeable Heat Seal Mk II

**Description:** Gas permeable heat seal to apply to microplates where gas transfer is required across the sealing membrane.

**Composition** Gas Permeable Heat Seal made from a woven material and sealing to PP, PS and COC, is designed for use in cell culture, due to its porous nature. The small pore size - <20 µm - of this material enables gas exchange of >20 g/m<sup>2</sup> per 24 hours.

**Seal Type:** Heat

<b>Ordering Information:</b>	4ti-0597	100 sheets (125mm x 78mm)
	4ti-0597/ST	100 sheets, sterile, 10 packs of 10 sheets (125mm x 78mm)
	4ti-0598	610m x 78mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer /Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube

**Application:** Suitable for cell culture, overnight incubations, as well as insect and seed storage

**Certification:** Free from human genomic DNA, nucleases and pyrogens.

**Storage Conditions:** Room temperature (15-25°C), 40-60% RH. Avoid direct exposure to light.

**Material Safety Data:** Non-hazardous

**Permeability Rate:** >20g/m<sup>2</sup>/day

<b>Sealing Parameters<sup>^</sup></b>	96-well PCR Plate	170°C for 2 seconds
	384-well PCR Plate	170°C for 2 seconds
	Vision Plate™	170°C for 2 seconds

<b>Physical properties:</b>	Weight	71g/m <sup>2</sup> (+/-5 g/m <sup>2</sup> )
	Tensile Strength	66 N/15mm

<sup>^</sup>These are recommended sealing conditions with the 4s3™ heat sealer.

<b>Identification Number</b>	<b>SEV-0031</b>	<b>Revision</b>	<b>004</b>	<b>Effective Date</b>	<b>06/02/18</b>
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