Parameter	Specification	
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/m² per 24 hours.	
Seal Type	Heat.	
Ordering Information	4ti-0597	100 sheets (125 mm x 78 mm)
	4ti-0597/ST	100 sheets, sterile, 10 packs of 10 sheets (125mm x 78 mm)
	4ti-0598	610 m x 78 mm roll Compatible with Automated 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 and high humidity.	
Material Safety Data	Non-hazardous.	
Permeability Rate	>20 g/m²/day.	
Seal Integrity Range	-195°C to 120°C.	
Sealing Parameters^	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
Physical Properties	Weight:	71 g/m² (+/-5 g/m²)
	Tensile Strength	66 N/15 mm

**These are recommended sealing conditions for the 4s3™ heat sealer.*
Compatible with Xpeel for some applications but additional optimization may be required.

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