

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

DMSO Resistant Peel Heat Seal

Description: Solvent resistant heat sealing foil, peelable; suitable for low and room temperature compound storage

Composition: Aluminium based heat seal that bonds to PP and COC. Can be peeled directly from the freezer. Good barrier resistance to aqueous solutions and solvents especially DMSO even at room temperature. Forms a weld seal to Polyethylene plates.

Seal Type: Heat

Ordering Information:

4ti-0585	500m x 78mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer, Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube
4ti-0585/100	100m x 78mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer with optional dust cover
4ti-0585/REMP	500m x 78mm roll Compatible with REMP Portrait Heat Sealer (PHS)
4ti-0586	500m x 115mm roll Compatible with Agilent (Velocity 11) PlateLoc®
4ti-0586/REMP	500m x 115mm roll Compatible with REMP Landscape/Stacking Heat Sealers (LHS/SHS)
4ti-0587	100 sheets (125mm x 78mm) supplied on perforated roll

Application: Low and room temperature compound 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:



Seal Integrity Range: -80°C to 40°C

Sealing Parameters^A 96-well PCR Plate 175-185°C, 3 seconds

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

384-well PCR Plate 170-175°C, 2-3 seconds

Vision Plate™ -

Physical Properties:

Thickness:	Polyester:	12.00µm
	Aluminium:	20.00µm
	Peel Layer (PE):	50µm
Total weight	121g/m ²	
Tensile Strength	40N/cm	
Sealing Strength:	>30N/cm (±5%)	
Water Vapour Transmission Rate:	<0.1g/m ²	38°C and 90% RH
Oxygen Transmission Rate	<0.1ml/m ²	23°C and 60% RH

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