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Gas Permeable Moisture Barrier Seal

Description: Gas permeable adhesive film, optically clear, with adhesive free windows, peelable, pierceable, sterile; suitable for cell culture

Composition: 50µm polyester film based, gas permeable, moisture barrier seal.

Seal Type: Adhesive

Ordering Information:	4ti-0516/24	50 sheets with 24 adhesive free windows (5 packs of 10 sheets, 140mm x 80mm, including 10mm finger tabs)
	4ti-0516/96	50 sheets with 96 adhesive free windows (5 packs of 10 sheets, 137mm x 80mm, including 10mm finger tabs)
	4ti-0516/384	50 sheets with 384 adhesive free windows (5 packs of 10 sheets, 137mm x 80mm, including 10mm finger tabs)

Application: Eukaryotic cell culture, bacterial culture, long-term live cell assays. Allows air and CO₂ exchange but prevents evaporation.

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

Sealing Technique: Remove backing liner, align optically clear windows with microplate wells. For all adhesive seals the best sealing results are achieved using the hand held pressure roller (4ti-0502) or seal applicator (4ti-0503).

Seal Integrity Range: -20°C to 80°C

Storage Conditions: Room temperature (10-27°C). Avoid direct exposure to light and high humidity.

Material Safety Data: Non-hazardous

Schematic overview:



Moisture Vapour Transmission Rate: 1g/m².d.bar

Air Porosity*: 600 cm³/m².d.bar

Gas Specific Transfer Rate*:	Oxygen:	2900 cm ³ /m ² .d.bar
	Nitrogen:	1200 cm ³ /m ² .d.bar
	Helium:	18000 cm ³ /m ² .d.bar
	Carbon Dioxide:	4700 cm ³ /m ² .d.bar

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