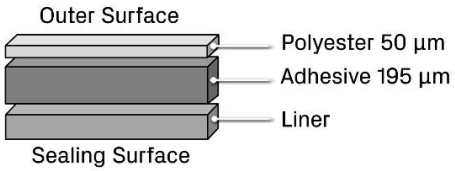
Parameter	Specification	
Description	Gas permeable adhesive film, optically clear, with adhesive free windows, peelable, pierceable, sterile; suitable for cell culture.	
Composition	50 µm polyester film based, gas permeable, moisture barrier seal.	
Seal Type	Adhesive.	
Ordering Information	4ti-0516/24	50 sheets with 24 adhesive free windows (5 packs of 10 sheets, 140 mm x 80 mm, including 10 mm finger tabs).
	4ti-0516/96	50 sheets with 96 adhesive free windows (5 packs of 10 sheets, 137 mm x 80 mm, including 10 mm finger tabs).
	4ti-0516/384	50 sheets with 384 adhesive free windows (5 packs of 10 sheets, 137 mm x 80 mm, including 10mm finger tabs).
Application	Eukaryotic cell culture, bacterial culture, long term live cell assays. Allows air and CO_2 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 handheld 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 Vacuum Transmission Rate	1g/m².d.bar.	
Air Porosity*	600 m³/m².d.bar.	
Gas SpecificTransfer Rate*	Oxygen	2900 cm³/m².d.bar

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Parameter	Specification	
Gas SpecificTransfer Rate*	Nitrogen	1200 cm3/m2.d.bar
Gas SpecificTransfer Rate*	Tensile Strength	18000 cm^3/m^2.d.bar
	Carbon Dioxide	4700 cm^3/m^2.d.bar

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

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