Dutscher
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# Technical Data Sheet

**Description**

- Moisture Barrier Seal 140 x 80mm [4Ti-0516/24]

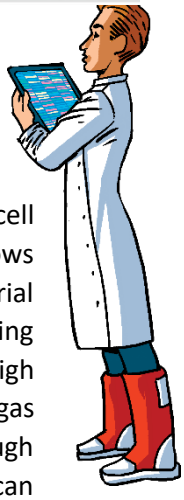


**Part number**

- 448047

**Pieces by sales**

- 50 (5 packs of 10 sheets)



**Technical data**

Adhesive sealing film suitable for eukaryotic & bacterial cell culture, long-term incubation, live cell assays, confocal microscopy. This unique seal has optically clear adhesive free windows; these windows can be imaged through, and also allow for gas exchange. The clear film is made of a porous material which allows for a uniform air and $CO_2$ exchange, whilst acting as a moisture barrier and preventing evaporation. The seal is coated with a strong adhesive (except for the optical windows) which has a high sealing integrity. This ensures a reliable seal and prevention of well-to-well contamination. The gas permeable seal enables long term incubations without intervention, whilst allowing for imaging through the optically clear windows. This can reduce the risk of sample contamination, evaporation and can improve your experimental workflow. Use of this seal within plate readers can prevent moisture release into the sensitive equipment.

A number of plate reader manufacturers recommend the use of the our Moisture Barrier Seal 24, 96, 384. For all adhesive seals, the best sealing results are achieved using the hand held Adhesive Seal Roller (044816).

- Quality & Properties
  - Pierceable
  - Peelable
  - Seal integrity range: -20°C to 80°C
  - Gas permeability rate: 0.6m³/m²/day
  - Moisture vapor transmission rate: 1g/m²/day
  - Optically clear adhesive-free windows for imaging
  - Gamma irradiated

- Applications :
  - plate readers, eukaryotic cell culture, bacterial cell culture, long-term incubation, live cell assays, confocal microscopy

- Sheet format
  - **140 x 80mm (448047)**
  - 137 x 80mm (044849 and 044850)
  - available with 24/96/384 adhesive free windows for use with 24/96/384 well plates