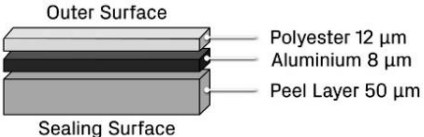


| Parameter | Specification | |
|---------------------------------|---|--|
| Description | Peelable heat sealing foil; suitable for low temperature storage, high temperature uses and PCR. | |
| Composition | Thin aluminium foil bonded to Polyester surface layer and heat sealable with a thick peel layer to PP and COC microplates. Can be peeled directly from the freezer. Good barrier resistance to aqueous solutions. Moderate resistance to solvents at room temperature. Forms weld seal to polyethylene plates. | |
| Seal Type | Heat. | |
| Ordering Information | 4ti-0520 | 610 m x 78 mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube |
| | 4ti-0520/122 | 122 m x 78 mm roll Compatible with 4titude® a4S Automatic Roll Heat Sealer with optional dust cover |
| | 4ti-0522 | 500 m x 115 mm roll Compatible with Agilent (Velocity 11) PlateLoc® |
| | 4ti-0521/RA-TAB | 100 sheets, with 96 individually tabbed foil discs each (127 mm x 100 mm) |
| | 4ti-0521 | 100 sheets (125 mm x 78 mm) |
| | 4ti-0521/RA-8 | 100 sheets, with 12 tabbed strips each (127 mm x 100 mm) |
| Application | Low temperature compound storage. Short term (up to 5 days) room temperature compound storage. PCR. | |
| 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 |  <p style="text-align: center;">Outer Surface</p> <p style="text-align: center;">Sealing Surface</p> | |
| Seal Integrity Range | -80 °C to 90 °C (110 °C with a pressurised PCR heated lid). | |
| Sealing Parameters [^] | 96-well PCR Plate | 175-185 °C, 3 seconds |



| Parameter | Specification | | |
|---------------------|---------------------------------------|--------------------------------------|--|
| | 384-well PCR Plate | 170-175 °C, 2-3 seconds | |
| Sealing Parameters^ | Vision Plate™ | | |
| Physical Properties | Thickness: | Polyester Aluminium Peel Layer | 12.00 µm (±0.13%) 8.00 µm 50.00 µm (±2.0%) |
| | Tensile Strength: | >30 N/cm | ±5.0% |
| | Sealing Strength (against itself): | 1.8 | N/cm |
| | Water Vapour Transmission Rate: | <0.1g/m ² | 38 °C and 90% RH |
| | OxygenTransmission Rate: | <0.1ml/m ² | 23 °C and 60% RH |

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

DOMINIQUE DUTSCHER SAS