



## Product Information

|                      |   |
|----------------------|---|
| <b>Product Name:</b> | PCR Sealing Film — Standard / End-Point PCR |
| <b>Product Code:</b> | PCRSEAL-SF                                  |
| <b>Version:</b>      | VI  |
| <b>Date:</b>         | June 2026                                   |

## Features

- Designed for standard and end-point PCR applications
- Exceptional adhesion ensures sample integrity and prevents evaporation during thermal cycling
- Remove backing liner, place, and press to seal — no heat or applicator required
- Small-bag packaging (10 per sealed bag) minimizes cross-contamination
- Compatible with all standard 96-well and 384-well plates with raised rims
- Wide operating range suitable for thermal cycling and long-term storage

## Product Specifications

|                              |  |
|------------------------------|--|
| <b>Dimensions</b>            | Length: 142 ±0.5 mm   Width: 79.3 ±0.5 mm   Thickness: 0.09 ±0.01 mm   |
| <b>Color</b>                 | Clear  |
| <b>Material</b>              | Backing: OPP (Oriented Polypropylene)<br>Adhesive: Acrylic Adhesive<br>Release Liner: Wood Fiber, Polyethylene, Silicone |
| <b>Adhesion Strength</b>     | Steel: 24.5 N/25 mm   Polypropylene: 14.7 N/25 mm  |
| <b>Operating Temperature</b> | −80°C to +120°C  |
| <b>Packaging</b>             | 10 films/sealed bag, 10 bags/box, 20 boxes/carton  |
| <b>Storage</b>               | Room temperature, cool and dry, out of direct sunlight   |

## Purity Certification (Per Lot)

|                           |   |
|---------------------------|---|
| <b>PCR Inhibitor-Free</b> | $R^2 \geq 0.99$ , efficiency 90–110%          |
| <b>Human DNA-Free</b>     | < 0.5 pg/μL                                   |
| <b>DNase / RNase-Free</b> | Certified per lot                             |
| <b>ATP-Free</b>           | < $10^{-13}$ mg/μL                            |
| <b>Non-Pyrogenic</b>      | < 0.004 EU/mL, LAL tested per USP <85>, <161> |





## Regulatory Compliance

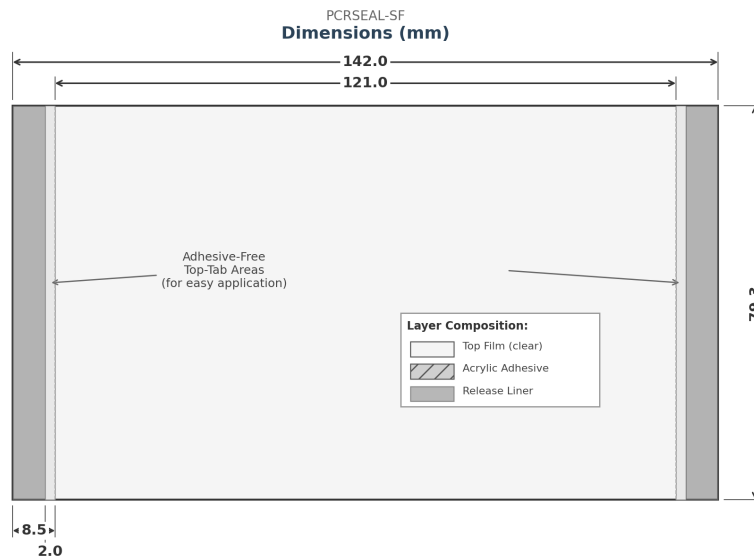
- U.S. FDA 21 CFR 177.1520 3.2a — film material tested and compliant
- RoHS 2011/65/EU — confirmed non-heavy metal
- REACH (EC) No 1907/2006 — non-SVHC
- Manufactured under ISO 9001:2015 and ISO 13485:2016 certified quality management system

## Cross-Reference

PCRSEAL-SF is a functional replacement for:

- Applied Biosystems® AB0558
- Excel Scientific™ ThermalSeal™ 100-THER-PLT

## Product Drawing



## Notices

For Research Use Only. Not for use in diagnostic procedures.

Manufactured to PCRSeal OEM specifications under ISO 9001:2015 and ISO 13485:2016 certified quality management system.

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References are for cross-reference and compatibility purposes only.

