

# ThermalSeal® RTS™

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## Dimensional Information and Tolerances

CRITERIA	DIMENSIONAL INFORMATION / SPECIFICATIONS
<b>Sheeted Film:</b>	
Overall (L x W)	5.500" +/- 0.015 x 3.0833" +/- 0.015
End-Tabs	0.375" +/- 0.015
Perforations	0.4625" +/- 0.015 from edge of film
Corner Radii	N/A
<b>Roll Stock:</b>	
Roll W x L	79mm x 65 meters (3.093" x 214')
Slit Width Tolerance	1/32"

## Construction

LAYER	DESCRIPTION	THICKNESS
Top Coat	N/A	N/A
Film	Optically Clear Polyolefin	2.0 mil +/-10%
Adhesive *	Pressure-Sensitive Silicone	1.8 - 2.2 mil
Release Liner	White Polyester	2.0 mil +/-10%

\* Note: Gamma radiation will slightly reduce the tackiness of the adhesive

## Applications

- Real-Time qPCR
- Protein Crystallization
- Storage

## Features & Benefits

- High optical clarity, low auto-fluorescence
- Certified free of detectable levels of DNase-, RNase- and Human/Mouse DNA
- Chemically inert; no extractables except at extreme pH
- Excellent chemical resistance (e.g. DMSO, Methanol, Acetonitrile)
- Heat and cold resistant, recommended for temperatures from -80°C to 105°C
- Fits within raised plate rim to prevent loss of seal due to film lifting
- Silicone adhesive forms the strongest available seal for evaporation prevention
- Non-tacky adhesive simplifies handling prior to sealing