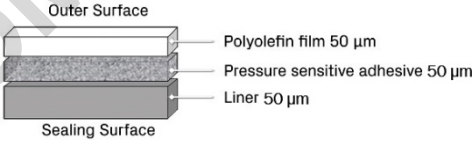
Parameter	Specification			
Description	Optically clear adhesive film, pressure activated adhesive, suitable for qPCR and other imaging techniques including crystallisation.			
Composition	Polyolefin film with pressure sensitive silicone adhesive and coated polyester film release liner. Non-tacky to skin and gloves.			
Seal Type	Adhesive.			
Ordering Information	4ti-0560	100 sheets (140 mm x 77 mm, including 7 mm perforated finger tabs)		
	4ti-0560/HP	Half plate size sheets (70 x 77 mm)		
	4ti-0561	1 roll (100 m x 80 mm)		
Application	qPCR • High degree of optical clarity for ease of read through. • Little or no auto-fluorescence for a high degree of lighttransmission. • Chemically inert extractables except at extreme pH. Adheres well to a wide range of substrates.			
Certification	Free from human genomic DNA, nucleases and pyrogens.			
Sealing Technique	-80 °C to 110 °C (with pressurised heated PCR lid).			
Storage Conditions	Room temperature (10-27 °C). Avoid direct exposure to light and high humidity.			
Material Safety Data	Non-hazardous.			
Schematic Overview				
Physical Properties	Backing	Polyolefin film	50 µm	
	Adhesive	Pressure sensitivesilicone	50 µm	
	Release Liner	White fluoro- silicone coated polyester film	50 µm	
	Adhesion to Steel:	Minimum 35 oz/in. (0.99 kg/25mm) (9.7 N/25mm)		
	Liner Release:	Maximum 30 g/in. (30 g/25mm) (0.3 N/25mm)		
	Adhesion to Steel:	13.9N/25 mm		

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Parameter	Specification	
Physical Properties	Light Transmission (3100 Spectrophotometer)	93.3% at 700 nm (typical) 92.4% at 400 nm (typical)

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

WARNING

4ti-0560 and 4ti-0561 qPCR Seal is a pressure seal which has a proprietary pressure sensitive adhesive mechanism that ensures **adhesive is only released when the seal comes into contact with the raised well rims.**

Advantages:

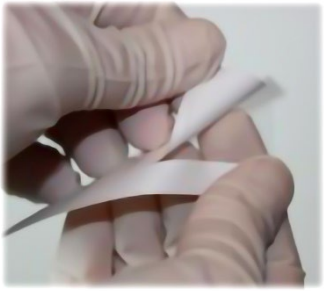
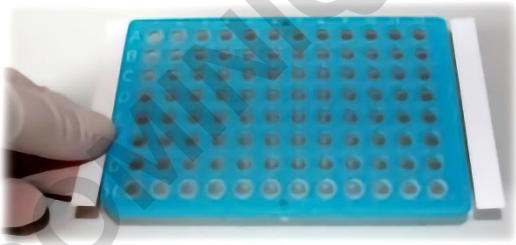
- easy positioning during application; the seal is freely manoeuvrable until pressure is applied.
- adhesive does not come into contact with samples.
- enhanced optical clarity as adhesive is not present in the area above the wells.
- no sticky residue on the plate when the seal is peeled off.

Follow instructions on separate sheet for application instructions.

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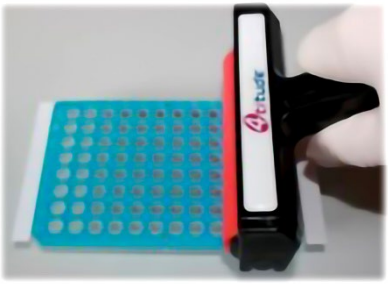
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Application Instructions

Step	Action
1.	Peel off the white backing liner. Do not remove end tabs. 
2.	Lay the seal across the plate. 

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Step	Action
3.	Exert pressure, specifically over the rims, using the 4titude adhesive seal roller (4ti-0502). 

NOTE: Bond strength is dependent on application pressure, so sufficient pressure must be applied.

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