




Parameter	Specification		
Description	Adhesive film with 96 optically clear windows, peelable, suitable for PCR/optical applications.		
Composition	Single-sided polyester pad, consisting of optically clear polyester film and acrylic adhesive with 96-optical adhesive-free windows, laminated to a single-sided silicone liner.		
Seal Type	Adhesive.		
Ordering Information	4ti-0565	100 sheets (135 mm x 80 mm)	
Application	qPCR (optically clear, low fluorescence).		
Certification	Free from human genomic DNA, nucleases and pyrogens.		
Sealing Technique	For all adhesive seals the best sealing results are achieved using the handheld pressure roller (4ti-0502) or seal applicator (4ti-0503).		
Seal Integrity Range	-20 °C to 110 °C (with pressurised heated PCR lid).		
Storage Conditions	Room temperature. Avoid direct exposure to light and high humidity.		
Material Safety Data	Non-hazardous.		
Schematic Overview	<div><div><div>Outer Surface</div><div><div></div><div></div><div></div></div><div>Sealing Surface</div></div><div><div>Polyester 36 µm</div><div>Adhesive 205 µm</div><div>Liner 138 µm</div></div></div>		
Physical Properties	Thickness	Polyester Adhesive Liner Total	36µm (±10%) 205µm (±5%) 138µm (±10%) 379µm (±10%)
	Colour	Polyester & Adhesive: Liner	Clear White
	Tensile Strength	Polyester Adhesive Liner	225 N/mm² ≥30 N/15 mm 6.4 MD (kN/m) 3.4 TD (kN/m)
	Tear Strength	Liner	800 MD (kN/m) 960 TD (kN/m)
	Elongation	Polyester:Adhesive	150% ≥50%
	Shrinkage: (30min @	Polyester	0.50% MD

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 AZENTA LIFE SCIENCES	OPTICALLY CLEAR WINDOWED QPCR SEAL DATA SHEET	SEV-0024 REVISION B 14 SEP 2023
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Parameter	Specification		
Physical Properties	50°C)1 Adhesion to Steel	10.0 N/cm	0.25% TD
	Ageing Resistance (UV)	Very good	

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