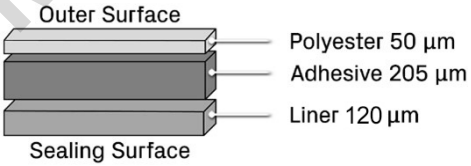
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Parameter	Specification		
Description	Clear adhesive film, strong adhesive, peelable; suitable for PCR and optical applications.		
Composition	Single sided polyester pad consisting of printed or non-printed polyester film and acrylic adhesive, laminated to a single sided silicone liner.		
Seal Type	Adhesive.		
	4ti-0500	100 sheets (135 mm x 80 mm)	
	4ti-0500/8	100 sheets (115 mm x 100 mm) perforated for tearing into part plates or 8 well strips	
	4ti-0500/12	100 sheets (137 mm x 71 mm) perforated for tearing into part plates or 12 well strips	
	4ti-0500/HP	Half plate size sheets (70 x 80 mm)	
Application	PCR, qPCR and other optical applications (e.g. fluorescence or colorimetric measurements), low temperature sample storage. The polyester layer is optically clear, with 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 hand-held 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			
Physical Properties	Thickness	Polyester	50 µm (±8%)
		Adhesive	205 µm (±5%)
		Liner	120 µm (±10%)
		Total	N/A
	Colour	Polyester & Adhesive Liner	Clear White

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Parameter	Specification		
	Tensile Strength	Polyester Adhesive Liner:	225 N/ mm^2 ≥30 N/15 mm 6.4 MD (kN/m) 3.4 TD (kN/m)
	Elongation	Polyester Adhesive	150% ≥50%
	Tear Strength	Liner	800 MD (m/N) 960 TD (m/N)
	Adhesion to Steel	Adhesive	10.0 N/cm
	Ageing Resistance (UV)	Very good	
	Shrinkage (30 min @ 150°C)	Polyester:	0.50% MD 0.25% TD

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

DOMINIQUE DUSCHER

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