AZENTA LIFE SCIENCES	THERMAL BOND HEAT SEAL	SEV-0029 REVISION C 16 MAR 2023

Parameter	Specification		
Description	Heavy-duty heat-sealing foil, peelable; suitable for long term storage, transportation.		
Composition	Thick foil / co-polymer laminates that seals to PP to give a very strong peelable seal. High degree of sample protection. Good solvent resistance, including DMSO.		
Seal Type	Heat.		
Ordering Information	4ti-0590	500 m x 78 mm roll Compatible with Azenta Automated Roll Heat Sealer, Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube.	
	4ti-0590/100	100 m x 78 mm roll Compatible with Azenta Automated Roll Heat Sealer with optional dust cover.	
	4ti-0592	300 m x 115 mm roll NOT compatible with Agilent (Velocity 11) PlateLoc®	
	4ti-0591	100 sheets (125 mm x 78 mm)	
Application	Long term storage, including storage and transportation at low temperature. PCR, especially water bath cyclers. Storage of organic solvents, acids and alkaline.		
Certification	Free from human genomic DNA, nucleases, and pyrogens.		
Storage Conditions	Room temperature (10-27 °C). Avoid direct exposure to light and high humidity.		
Material Safety Data	Non-hazardous		
Schematic Overview	Outward surface ⬆ Sealing surface ⬇  Aluminium 60µm Polypropylene 25g/m²		
Seal Integrity Range	-200 °C to 110 °C.		
Sealing Parameters^	96-well PCR Plate	170-180 °C, 2-3 seconds	
	384-well PCR Plate	160-170 °C, 2 seconds	
	Vision Plate™		
	Aluminium Foil:	Thickness: Base: Tolerance:	60 µm Alloy 98.8% (A8079) ±8%
	Protective Laquer:	Thickness: Base: Grammage: Tolerance:	N/A Acrylic resins 1.5g/m² ±0.4%

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	Extrusion Coating:	Base: Grammage: Tolerance:	PP 25.0g/m^2 ±10%
	Total Weight:		189 g/m^2

^These are recommended sealing conditions with the Azenta Semi-Automatic Sheet Heat Sealer.

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