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GENAXXON bioscience

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qPCR adhesive plate seals

standard PCR seals

Cat#: I2012

Version: 200720

GENAXXON bioscience GmbH
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Description

Clear adhesive film, strong adhesive, peelable: suitable for PCR and optical applications, non-pierceable, non-sterile

100 sheets (135mm x 80mm, including 7mm perforated finger tabs)

PCR, qPCR and other optical applications

Application	• fluorescence or colorimetic measurements. • Low temperature sample storage. • Optical clear polyester layer with low fluorescence background.
Sealing Technique	For all adhesive seals the best sealing results are achieved using a hand held pressure roller.
Seal integrity Range	-20°C up 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.
Certification	Free from human genomic DNA, RNA, nucleases and pyrogens.

Schematic view



Physical properties:	**Thickness:**	Polyester: Adhesive: Liner: **Total:**	50µm (+/-8%) 205µm (+/-5%) 120µm (+/-10%) **375µm (+/-10%)**
	Colour:	Polyester & Adhesive: Liner:	Clear White
	Tensile Strength:	Polyester: Adhesive: Liner: Total:	225 n/mm2 >30 N/15mm 6.4 MD (kN/m) 3.4 TD (kN/m) 393µm (+/-10%)
	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

Application Instructions

1. Peel off the white backing liner!
2. Carefully lay the seal across the plate. The seal will stick as soon as it touches a surface!
3. Exert pressure, specifically over the rims, using an Adhesive Seal Roller.

NOTE:

Bond strength is dependent on application pressure, so sufficient pressure must be applied for a well sealing!

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