



TM

深圳中陇天包装科技有限公司

SHENZHEN ZOLO PACKAGING TECHNOLOGY CO.,LTD

Tamper Evident Label Material

ZOLO ANTI-COUNTERFEITING

Tamper evident VOID labels are used for anti-counterfeit and anti-theft. Once peeled off, the preset hidden message "VOID OPEN", "VOID" on the label film will show up or leave residue on the application surface, unable to reverse, which means the labeled products have been opened.



Total Transfer VOID Material

- Security message "VOID OPEN" or "VOID" show up after opened, irreversible
- All the adhesive transferred to the application surface



Partial Transfer VOID Material

- Security message "VOID OPEN" or "VOID" show up after opened, irreversible
- Part of the adhesive transferred to the application surface



Non Transfer VOID Material

- Security message "VOID OPEN" or "VOID" show up after opened, irreversible
- No adhesive transferred to the application surface



Phone Camera VOID Material

- Security message "VOID" show up after opened, irreversible
- No residue left, not damage the camera



MATERIAL SPECIFICATIONS

Facestock	PET
Facestock Thickness	25μ 38μ 50μ
Adhesive	Pressure Sensitive Acrylic
Release Liner	80gsm Glassine Paper
Jumbo Roll Size	530mm*500m/500mm*500m
Security Message	VOID, VOID OPEN or Custom
Color	White, Red, Blue, Silver, Black, Clear or Custom

Specialty Security Label Material

ZOLO ANTI-COUNTERFEITING

Different facestocks or different functions combine with tamper evidence technology creates new specialty security label materials.



Phantom VOID Material

- 360° zoom technology combines with tamper evidence technology. Irradiating the material with a white light, the hidden security message on the facestock rotate with a very beautiful visual effect
- Custom total/partial/non transfer tamper effect
- Dual anti-counterfeiting, custom security message



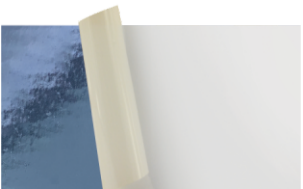
Biodegradable VOID Material

- 100% plant fiber facestock degrades within 180 days in compost, eco-friendly
- Custom total/partial/non transfer tamper effect



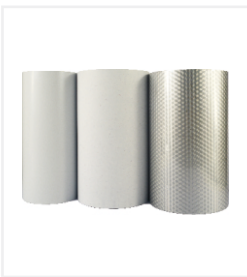
Bond Paper VOID Material

- Facestock bond paper with fluorescent security fibers, anti-counterfeiting and eco-friendly
- Custom total/partial/non transfer tamper effect



Masking Security Label Material

- Opaque label obscures the information on the application surface
- All the dark silver adhesive transferred to the application surface, irreversible



MATERIAL SPECIFICATIONS

Facestock	PET/Bond Paper/Plant Fiber
Facestock Thickness	25μ 38μ 50μ
Adhesive	Pressure Sensitive Acrylic
Release Liner	80gsm Glassine Paper
Jumbo Roll Size	530mm*500m/500mm*500m
Security Message	VOID, VOID OPEN or Custom
Color	White, Red, Blue, Silver, Black, Clear or Custom

Tamper Evident Tape

ZOLO ANTI-COUNTERFEITING

Tamper evident packaging tapes are used for anti-tamper, anti-counterfeit and anti-theft. Once peeled off, "VOID OPEN" or "VOID" on the tape film will show up or leave residue on the application surface, unable to reverse.

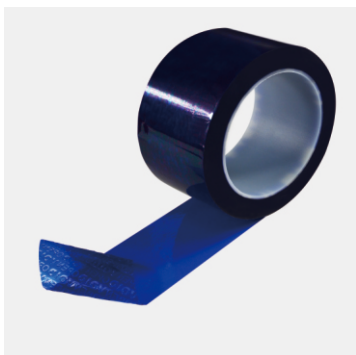
Total Transfer VOID Tape

- "VOID OPEN", "VOID" or custom security message show up after opened, irreversible
- All the adhesive transferred to the application surface
- Custom LOGO/pattern/text top printing



Non Transfer VOID Tape

- "VOID OPEN", "VOID" or custom security message show up after opened, irreversible
- No adhesive transferred to the application surface
- Custom LOGO/pattern/text top printing



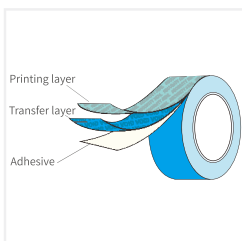
Perforated & Numbered VOID Tape

- "VOID OPEN", "VOID" or custom security message show up after opened, irreversible
- Custom total/partial/non transfer tamper effect
- Custom LOGO/pattern/text top printing
- Custom space between perforations, custom serial numbers



Multicolor VOID Tape

- "VOID OPEN", "VOID" or custom security message show up after opened, irreversible
- Custom total/partial/non transfer tamper effect
- Custom LOGO/pattern/text up to 6 colors
- Custom perforations/serial numbers/QR Code/Barcode



TAPE SPECIFICATIONS

Standard Size	50mm*50m
Facestock	PET
Facestock Thickness	25μ 38μ 50μ
Adhesive	Pressure Sensitive Acrylic
Security Message	VOID, VOID OPEN or Custom
Color	White, Red, Blue, Silver, Black, Clear or Custom

Destructible Label Material

ZOLO ANTI-COUNTERFEITING

Destructible vinyl label can not be removed as a whole piece after being stuck on the application surface. It's widely used in the quality assurance of electronic products to prevent packaged goods from tamper and theft.



Edges Unremovable Destructible Material

- The facestock ultra destructible vinyl can be easily broken. Good printing performance. Finished labels have edges. Art paper and glassine liners available.



Edges Removable Destructible Material

- The facestock destructible vinyl, medium destructibility. Good printing performance. Finished labels have no edges. Art paper and glassine liners available.



Clear Destructible Material

- Clear facestock, medium destructibility. Good printing performance. Finished labels have no edges. Art paper and glassine liners available.



Holographic Destructible Material

- Holographic facestock, medium destructibility. Good printing performance. Finished labels have no edges. Art paper and glassine liners available.



Layered Destructible Synthetic Paper

- The facestock destructible synthetic paper is layered broken when removing the label, irreversible. Good printing performance, support UV and thermal transfer printing.

LAYERED DESTRUCTIBLE SYNTHETIC PAPER SPECIFICATIONS

Property	Method	Units	Typical Values
Weight	ISO 536	g/m ²	60
Thickness	DIN 53370	μm	109
Density		g/cm ³	0.55
Whiteness	ISO 2470	%	90
Opacity	DIN 53146	%	92
Tensile Strength ^{MD TD}	ISO 527-3	N/mm ²	37 30
Elongation @ break ^{MD TD}	ISO 527-3	%	120 80
Tear Strength ^{MD TD}	ASTM D1004-66	N/mm	43 66
Rigidity (Kodak)	ISO 5629(1983)	mN.m	0.14
Surface Resistivity	ASTM D-257	Ω/	<10 ¹⁴
Cohesive Strength *	Arjobex BXTM 25	N/25mm	<3.6

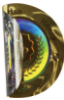
Hologram Label

ZOLO ANTI-COUNTERFEITING

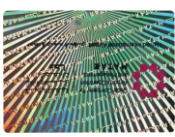
Laser Hologram Label is a kind of security label that is produced through laser graving plate technology and moulding replication technology. The technologies 360° zoom, platinum relief, light curvature text, fresnel lens, micro text, 3D effect, multichannel engraving, crystal relief, laser cryptography etc. inside make the label anti-counterfeiting, unique and attractive.



Tamper Effects

			
Permanent	One-Off	Honeycomb	VOID

Common Printings

			
Zoom Lens	QR Code	Screen Printing	Scratch-off Layer

Security Bag

ZOLO ANTI-COUNTERFEITING

Security bags are used to secure documents, personal effects, cash, or other valuables. Typical applications include crime scene evidence, confidential documents, cash from retail and convenience stores, personal effects for hospital patients, dice and playing cards for casinos, valuables stored in a vault at a hotel, securing drug samples for pharmaceutical testing, chain of custody tracking.

After sealing, if the closure is opened, the bag will be torn, the word "VOID" or "OPEN VOID" will be visible. If the closure heated up to 65°C, the white ink on it turns red. If the closure meets water, the words "WATER" on it turn transparent and disappear.

Serialized and Trackable





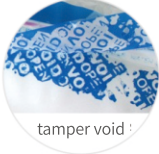
writable



white ink turns red

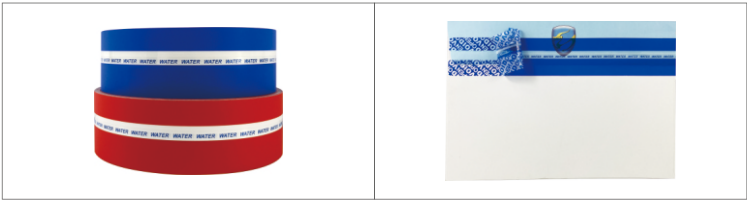


"WATER" disappear



tamper void

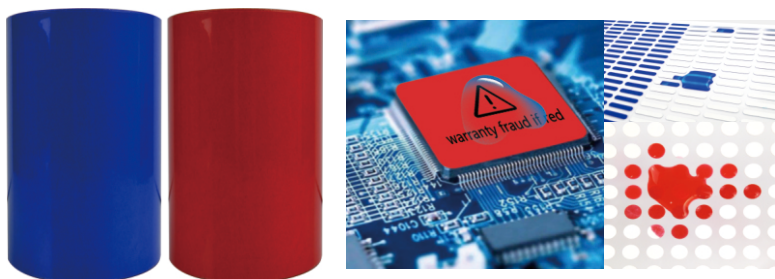
Tamper Evident Void Tape Closure



Water Contact Sticker

ZOLO ANTI-COUNTERFEITING

Water contact sticker is a small indicator that turns from white into red or blue after contact with water. The stickers are placed on several points within electronic devices such as laptops and smartphones. In case of a defective device, service personnel can check whether the device might have suffered from contact with water, to protect from warranty fraud.



Heat-Resistance Label Material

ZOLO ANTI-COUNTERFEITING

High heat-resistance labels, polyimide coated with specialty pressure sensitive adhesive, have a very specific usage in harsh environments that would melt or destroy other types of labels. Widely used in printed circuit boards, high temperature fuel cells, displays, and military field. Good printing performance, support UV and thermal transfer printing.



Insulation

Low Release Force
Automatic Labeling

300°C Resistant

About ZOLO

Shenzhen ZOLO Packaging Technology Co., Ltd, formally founded in 2009, is a high-tech enterprise specialized in the development and production of security VOID label&material, tamper evident security tape, hologram sticker&holographic film, self-destructive sticker&material, water sensitive label&material, security seal bag and other security packaging products, focuses on the new anti-counterfeiting&security technology development and application.

Our company principle is to live on quality and develop on service, always adheres to the independent R&D technology innovations. According to customer's demands for the tamper evident security tape, hologram sticker&holographic diversification of anti-counterfeiting, we are always trying to provide a full range and multi-level professional products and relative security solutions.

APPLICATION INDUSTRY

Tobacco Packaging	Wine Packaging	Pharmaceuticals Packaging
Luxury Packaging	Gift Packaging	Cosmetics Packaging
Health Care Products	Books	Electronic Products
Logistics	Banks	Governmental Agencies

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