

The industry's widest range of **magnetic stripe**.

Transfer, lamination, roll-on, glue down and Signature panel for banking and gift cards, tickets and bank books from 300 to 4000 Oe, in 14 widths and 60 colours.

71

stock product codes

300–4000

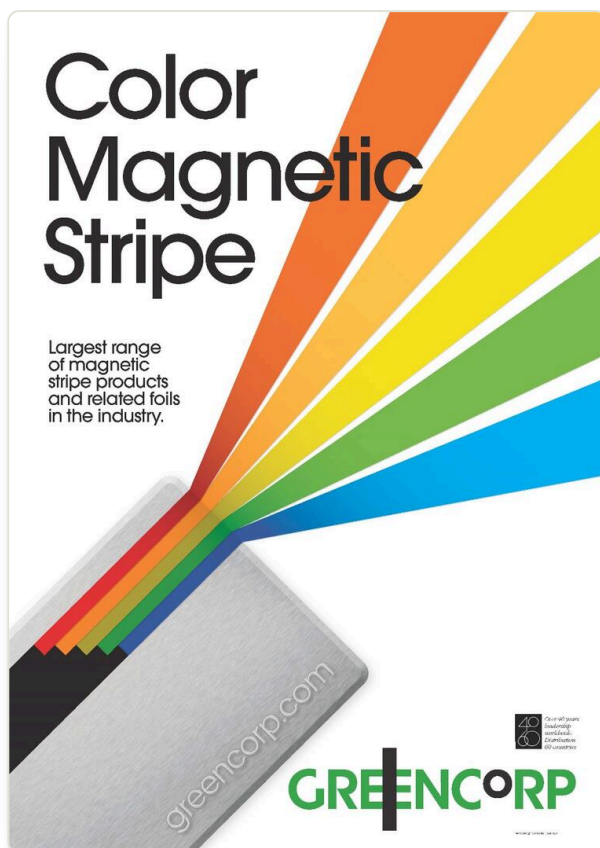
Oersted range

60

countries supplied

ISO 9001

accredited



INTRODUCTION

Built on knowing the chemistry.

Greencorp has made magnetic stripe tape for cards and tickets since 1972. Everything is coated, slit and tested at our own plant in Sydney — a single site, which is why we can hold a product range this wide and still schedule deliveries around your production runs rather than ours.

The company is accredited to **ISO 9001** and applies it end to end, from order entry through to despatch. Every batch is tested against ISO standards on our own instruments, including a **vibrating sample magnetometer**, a **BH meter** and a **Q Card Mag-3® analyser**. The window plots and print-outs travel with the delivery, so you can pass verification straight on to your own customer.

What customers tell us sets Greencorp apart is the technical liaison. You are talking to the people who formulated the product.

COERCIVITY

How hard the data is to erase.

Coercivity is the field intensity required to reduce the tape's induction from saturation back to zero — in practice, a measure of how well encoded data resists erasure by stray magnetic fields. It is measured in **oersted (Oe)**. Low-coercivity tape encodes easily and suits tickets, membership and general-use cards; high-coercivity tape holds data far more stubbornly, which is what credit and ID applications need.

Select a band to filter the product matrix.

LOCO

300 Oe

Readily encoded and re-encoded. The workhorse for tickets, membership and loyalty cards.

LOCO

650 Oe

More resistant than 300 Oe while still encoding on standard LoCo equipment.

HICO

2,750 Oe

The banking standard. Strongly resists accidental erasure from handbag magnets and door seals.

HICO

4,000 Oe

Maximum retention for high-security ID and access cards. Also supplied at 3600 Oe.

Coercivity is verified at every stage of manufacture, from oxide selection through to the finished coating. The reference method under ISO is measurement of the final coating on a vibrating sample magnetometer; Greencorp runs its own LDJ 7000A VSM and BH meter at a maximum applied field of 1000 Oe.

PRODUCT SELECTION MATRIX

Find the stripe for the job.

Every stock code, filterable by how it is applied, its coercivity and the substrate it is formulated to bond to. Search accepts product codes, applications and substrates.

CODE	APPLICATION	COERCIVITY	ADHESIVE	COLOUR	APPLY TEMP	WINDOW	FEATURES	TYPICAL USE	SUBSTRATE
G2L	Glue down	300	None	 Brown	—	110%	Reinforced	Parking & transport tickets	Paper
GNL 650	Glue down	650	None	 Black	—	110%	Reinforced	Parking & transport tickets	Paper
GNH	Glue down	2,750	None	 Black	—	125%	Reinforced	Public transport tickets	Paper
GNH 4000	Glue down	4,000	None	 Black	—	105%	Reinforced	Public transport tickets	Paper
LAL J39	Lamination	300	Plastic	 Black	110–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
LAL J40	Lamination	300	Plastic	 Brown	110–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
LAL N39	Lamination	650	Plastic	 Black	110–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
LAH F39	Lamination	2,750	Plastic	 Black	110–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
LAH E39	Lamination	4,000	Plastic	 Black	110–160 °C	A 160% / B 105%	Protective coating	Plastic cards, bank cards	PVC
TAL J21	Transfer	300	Plastic	 Black	140–160 °C	100%	Thinner carrier	Plastic cards, bank cards	PVC
TAL J23	Transfer	300	Plastic	 Brown	140–160 °C	100%	Thinner carrier	Plastic cards, bank cards	PVC
TAL J26	Transfer	300	Plastic	 Black	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
TAL J28	Transfer	300	Plastic	 Brown	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PET
TAL J29	Transfer	300	Plastic	 Brown	140–160 °C	A 100% / C 105%	Protective coating	Plastic cards, bank cards	PVC
TAL J41	Transfer	300	Plastic / Paper	 Brown	140–160 °C	105%	Protective coating	Plastic cards, bank cards	PVC / Paper
TAL J44	Transfer	300	Paper	 Brown	130–150 °C	A 110% / C 105%	Protective coating	Parking & highway tickets	Paper
TAL K37 OD	Transfer	300	Paper	 Brown	130–150 °C	110%	Protective coating	Laminated bank books	Paper / PP
TAL K37 BOD	Transfer	300	Paper	 Black	130–150 °C	110%	Protective coating	Laminated bank books	Paper / PP
TAL K48 OD	Transfer	300	Paper	 Brown	130–150 °C	110%	Protective coating	Single bank books	Paper
TAL K48 BOD	Transfer	300	Paper	 Black	130–150 °C	110%	Protective coating	Single bank books	Paper
TAL J49	Transfer	300	Paper / Plastic	 Brown	130–150 °C	A 110% / C 105%	Protective coating	Parking tickets, plastic cards	Paper / PVC
TAL J53	Transfer	300	Paper	 Black	130–150 °C	110%	Black colour	Paper tickets	Paper

CODE	APPLICATION	COERCIVITY	ADHESIVE	COLOUR	APPLY TEMP	WINDOW	FEATURES	TYPICAL USE	SUBSTRATE
TAL N28	Transfer	650	PET	■ Black	140–160 °C	A 100%	Protective coating	Plastic cards, bank cards	PET
TAL N29	Transfer	650	Plastic	■ Black	140–160 °C	A 100%	Protective coating	Plastic cards, bank cards	PVC
TAL N37	Transfer	650	Paper	■ Black	130–150 °C	105%	Protective coating	Bank books	Paper / PP
TAL N43	Transfer	650	Plastic / Paper	■ Black	130–150 °C	105%	Protective coating	Parking & transport tickets	Paper
TAL N64	Transfer	650	Paper	■ Black	130–150 °C	105%	Protective coating	Parking & hotel tickets	Paper
TAH F23	Transfer	2,750	Plastic	■ Black	140–160 °C	A 100%	Thinner carrier	Plastic cards, bank cards	PVC
TAH F24	Transfer	2,750	PLA	■ Black	100–110 °C	100%	Protective coating - low-temp PLA	PLA cards, bank cards	PLA
TAH F27	Transfer	2,750	Plastic	■ Purple / Black	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
TAH F28	Transfer	2,750	Plastic	■ Black	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PET
TAH F28-22	Transfer	2,750	Plastic	■ Black	140–160 °C	100%	Protective coating	Polycarbonate cards	PC
TAH F28-33	Transfer	2,750	Plastic	■ Black	140–160 °C	100%	Protective coating	PET cards	PET
TAH F29	Transfer	2,750	Plastic	■ Black	140–160 °C	A 100% / C 100%	Protective coating	Plastic cards, bank cards	PVC
TAH F32D	Transfer	2,750	Plastic	■ Black	140–160 °C	A 100% / C 100%	Protective coating + clear overlay	Plastic cards, bank cards	PVC
TAH F37	Transfer	2,750	Paper	■ Black	130–150 °C	105%	Protective coating	Laminated bank books	PVC
TAH F41	Transfer	2,750	Paper / PVC	■ Black	140–160 °C	A 105% / D 105%	Protective coating	Cards, tickets, press polish	Paper / PVC
TAH F43	Transfer	2,750	Paper	■ Black	130–150 °C	A 112% / C 100%	Protective coating	Cards & tickets	Paper / PVC
TAH F48	Transfer	2,750	Paper	■ Black	130–150 °C	105%	Protective coating	Single bank books, AZ machines	Paper
TAH F64	Transfer	2,750	Paper	■ Black	130–150 °C	A 112% / C 100%	Protective coating	Public transport tickets	Paper
TAH E23	Transfer	4,000 3,600	Plastic	■ Black	140–160 °C	A 160% / B 105%	Thinner carrier	Plastic cards, bank cards	PVC
TAH E29	Transfer	4,000 3,600	Plastic	■ Black	140–160 °C	A 160% / B 105%	Protective coating	Plastic cards, bank cards	PVC
TAH E41	Transfer	4,000 3,600	Plastic / Paper	■ Black	140–160 °C	B 105%	Protective coating	Plastic cards, bank cards	PVC / Paper
TAH E43	Transfer	4,000 3,600	Plastic / Paper	■ Black	130–150 °C	B 112%	Protective coating	Public transport tickets	Paper
TAH E64	Transfer	4,000 3,600	Plastic / Paper	■ Black	130–150 °C	B 112%	Protective coating	Public transport tickets	Paper
MDS	Transfer	300 2,750	Plastic	■ Metallic silver	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC

CODE	APPLICATION	COERCIVITY	ADHESIVE	COLOUR	APPLY TEMP	WINDOW	FEATURES	TYPICAL USE	SUBSTRATE
MLG	Transfer	300 2,750	Plastic	 Metallic gold	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MLB	Transfer	300 2,750	Plastic	 Light blue	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MB	Transfer	300 2,750	Plastic	 Dark blue	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MDP	Transfer	300 2,750	Plastic	 Dark purple	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MR	Transfer	300 2,750	Plastic	 Metallic red	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MO	Transfer	300 2,750	Plastic	 Orange	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MGR	Transfer	300 2,750	Plastic	 Metallic green	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
Logo	Transfer	300 2,750	Plastic	 Custom to artwork	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MDS (1am)	Lamination	300 2,750	PVC	 Metallic silver	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
MLG (1am)	Lamination	300 2,750	PVC	 Metallic gold	140–160 °C	100%	Protective coating	Plastic cards, bank cards	PVC
TAL K44	Roll on	300	Paper	 Brown	170–190 °C	105%	Protective coating	Paper cards	Paper
TAL K54	Roll on	300	Plastic	 Black	170–190 °C	105%	Protective coating	Paper cards	Paper
TAH K54	Roll on	2,750	Plastic	 Black	170–190 °C	105%	Protective coating	Paper cards	Paper
G2L K200	Label	300	None	 Brown	–	110%	Reinforced	Conversion	Paper
GNL N200	Label	650	None	 Black	–	105%	Reinforced	Conversion	Paper
GNH F200	Label	2,750	None	 Black	–	105%	Reinforced	Conversion	Paper
SP JAT006	Roll on / hot stamp	n/a	Plastic	 Matte clear	140–180 °C	–	Signature panel	Plastic cards, bank cards	PVC
SP JAT008	Transfer	n/a	Plastic	 Matte clear	140–180 °C	–	Signature panel	Plastic cards, bank cards	PVC
SP JAW006	Roll on / hot stamp	n/a	Plastic	 Matte white	140–180 °C	–	Signature panel	Plastic cards, bank cards	PVC
SP JAW008	Transfer	n/a	PET / Plastic	 Matte white	140–180 °C	–	Signature panel	Plastic cards, bank cards	PVC
SPDB018	Roll on / hot stamp	n/a	PET	 Matte white	140–180 °C	–	Signature panel	Plastic cards, bank cards	PET
SPSSB	Roll on / hot stamp	n/a	Plastic	 Matte white	140–180 °C	–	SafeSig · blue adhesive	SafeSig signature panel	PVC
SPSSPHS	Hot stamp	n/a	Plastic	 Matte printed	140–180 °C	–	Printed SafeSig	SafeSig signature panel	PVC
SPSSPHR	Roll on	n/a	Plastic	 Matte printed	140–180 °C	–	Printed SafeSig	SafeSig signature panel	PVC
SPSSPHSB	Hot stamp	n/a	Plastic	 Matte printed	140–180 °C	–	Printed SafeSig · blue adhesive	SafeSig signature panel	PVC

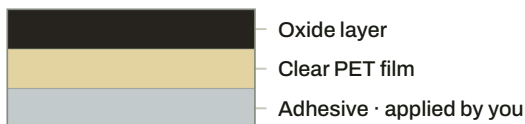
TYPES OF MAG-STRIPE

Four ways the stripe gets onto the substrate.

The oxide layer is common to all of them. What changes is what sits above and below it — and whether the PET carrier stays in the finished product or is peeled away and discarded.

CARRIER STAYS

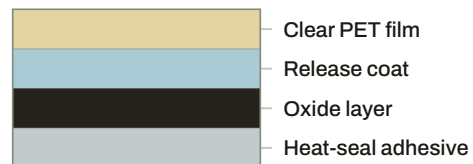
Glue-down lamination tape



The tape is bonded to the substrate with your own adhesive, usually water-based, applied to the reverse of the carrier film and rolled onto the product. The PET stays in the finished item. Used almost entirely for paper tickets, where the reinforced construction survives gate readers.

CARRIER PEELS HOT

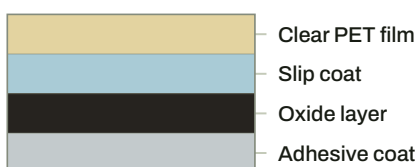
Hot stamp / roll-on (Franklin)



Run on Franklin-style or hot stamping machines, where a heated roller the exact width of the finished stripe presses the tape down. Only the area the roller touches transfers, so the stripe lands in discrete sections. The release coat above the oxide lets the PET separate cleanly.

CARRIER PEELS COLD

Heat transfer (cold peel)



The same build as hot roll-on, but formulated to lay a continuous stripe. The carrier is peeled away only once the adhesive has cooled — hence cold peel — and rewound to a waste spool. Adhesive choice follows the substrate: PVC and paper grades are not interchangeable.

LARGELY SUPERSEDED

Total lamination tape



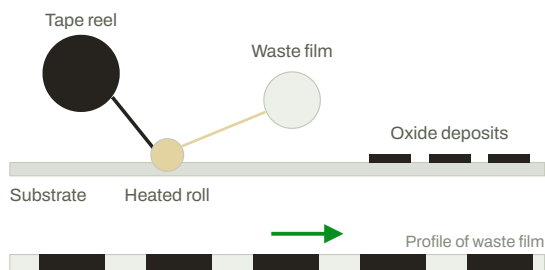
The PET carrier remains with the tape when it is adhered. The extra thickness produced weak compressions along the stripe edges when laminated into plastic transaction cards, which is why cold-peel grades have largely replaced it.

How they run on the line

Hot stamping lays oxide only where the heated roller touches; cold-peel lays a continuous stripe and rewinds the spent carrier.

DISCONTINUOUS

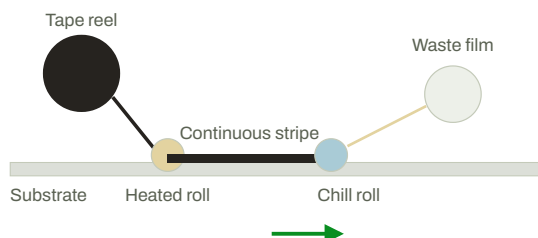
Hot stamp / roll-on



The heated roller contacts the tape only where a stripe is wanted, so oxide transfers in sections and the waste film comes off with the negative of the pattern in it.

CONTINUOUS

Cold peel transfer



Oxide is laid down continuously under heat, then the chill roll sets the adhesive before the carrier is peeled and rewound to waste.

COLOUR MAGNETIC STRIPE

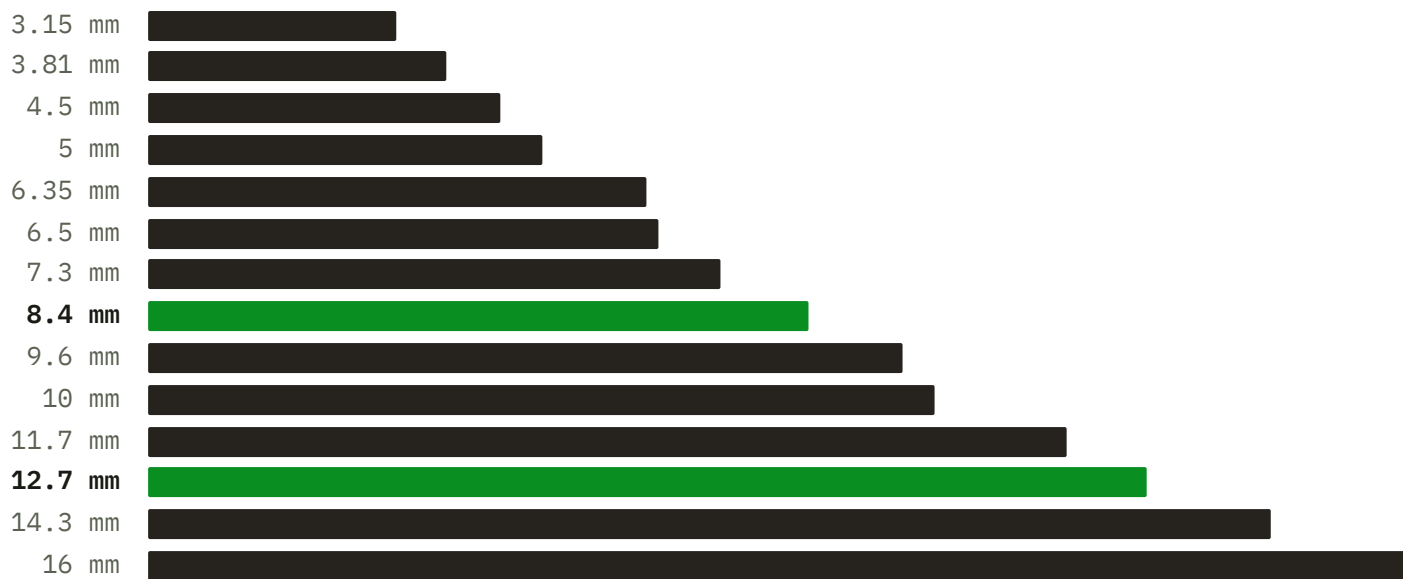
The stripe doesn't have to be black.

Standard colour codes below, available at 300 or 2750 Oe in transfer and lamination formats. Up to 60 colours are held, and custom colours are matched. Our full range is at

<https://greencorp.com/product-range/>

 MDS Metallic silver	 MLG Metallic gold	 MLB Light blue	 MB Dark blue	 MDP Dark purple	 MR Metallic red
 MO Orange	 MGR Metallic green	 Black Black	 Brown Brown	 Logo Custom to artwork	

Custom colour minimum order: 24 rolls at 12.7 mm or 36 rolls at 8.4 mm. Logo tape is printed to supplied artwork on the same constructions.



STANDARDS

What the tape is tested against.

ISO — the International Organization for Standardization — sets the performance requirements for magnetic stripe on identification cards. Greencorp products meet or exceed the magnetic and physical requirements of the three standards that matter for this product class, and the same standards govern testing of the laminated stripe on the finished card.

ISO/IEC 7811-2 Low coercivity, 300 Oe

ISO/IEC 7811-8 Low coercivity, 650 Oe

ISO/IEC 7811-6 High coercivity, 2750 and 4000 Oe

Finished cards are tested on a Q Card Mag-3® analyser, which produces the detailed print-outs and window plots shipped with every delivery. Transfer tapes can be manufactured anywhere in the 300–4000 Oe range.

PRODUCTION PARAMETERS

Recommended running conditions.

TAPE LAYER TEMPERATURE 135–155°C Laying stripe onto clear PVC overlay	DIE TYPE Metal roller Width equal to the finished stripe	TRAVERSING SPEED 3–20 m/min Slower at the top of the temperature band
STORAGE TEMPERATURE 4.5–32°C Avoid excessive moisture	STORAGE HUMIDITY 40–60% RH Measured at the roll, not the room	MEASUREMENT FIELD 1000 Oe LDJ VSM / BH meter model 7000A

Card lamination

PLATEN PRESSURE 40 ± 5 bar Applied through the heat cycle	LAMINATION TEMPERATURE 145 ± 10 °C Typical for laminated PVC cards	DWELL TIME 160 ± 30 s Held at temperature before cooling	COOLING PRESSURE 60 ± 5 bar Maintained through the chill stage
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Pressure, temperature and dwell time all vary with the size, profile and thickness of the laminate. TAL and LAL grades are designed to be rolled on or tacked and then laminated under the conditions normally used for PVC card production; in many cases they allow the temperature to be reduced. Adjust to suit your own press.

What the magnetic measurements mean

Coercivity — the field intensity required to reduce the induction from saturation to zero.

Remanence — the induced flux remaining in the tape after a longitudinally applied field is reduced from 1000 Oe to zero.

Squareness — the ratio of residual flux density (Br) to saturation flux density (Bm).

Together these determine how the tape responds to square-wave signal encoding, which is why they are the properties that decide whether a stripe reads cleanly in the field.

Adhesive or size coat

Easy to overlook and critical to the mechanical performance of the tape. Grades differ by substrate — PVC and paper adhesives are not interchangeable, so orders must state the substrate.

Collator

Machine for cutting, aligning and stacking the three PVC card components ahead of lamination.

Lamination plates

Flat, polished metal sheets that give even heat transfer and a high-gloss finish to the stripe surface during card lamination.

Laminator

Machine that bonds the PVC layers of a plastic card together under heat and pressure.

Magnetic slurry

The main alternative to tape in low-cost paper ticketing: magnetic material printed on as a stripe. Cheaper per ticket, but the rougher surface is abrasive and drives up reader-head replacement.

Over-coat

Coating applied over the oxide layer to improve durability and chemical resistance. Also called a top-coat.

Overlay

Clear film laminated to both sides of the printed PVC sheet, giving plastic cards their gloss and wear resistance.

Release coat

Coating on the carrier film of transfer and cold-peel tapes that lets the PET peel away cleanly from the oxide layer.

Tape layer

Machine that lays several continuous mag-stripes onto clear PVC overlay.

Window output

Signal amplitude expressed as a percentage of the ISO reference. Letters denote the test track — A, B, C and D readings are quoted where they differ.

CONTACT

Talk to us.

Manufacturing and technical enquiries are handled from Sydney. Our North American and European offices hold local stock and handle regional scheduling.

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Greencorp Pty Ltd

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