

A. PVC Coated Overlay

1. General PVC Coated Overlay

General PVC coated overlay, one side is glossy surface, another side with glue(adhesive) surface. It has good adhesion effect, easy operation, anti-yellowing. With the transparent PVC overlay as the carrier, it is the composite material which coated with special water-based adhesive.

It is mainly use for various magnetic stripe cards, phone cards, membership cards, loyalty cards, and other PVC cards, adhesive peel strength is more than 6.0 N/cm.

Thickness Range	Color	Vicat (B50)	Surface Tension	Peel Strength	Density
0.040~0.12 mm	Transparent	72± 2 °C	34~44 dynes/cm	≥6.0 N/cm	1.18~1.28 g/cm ³

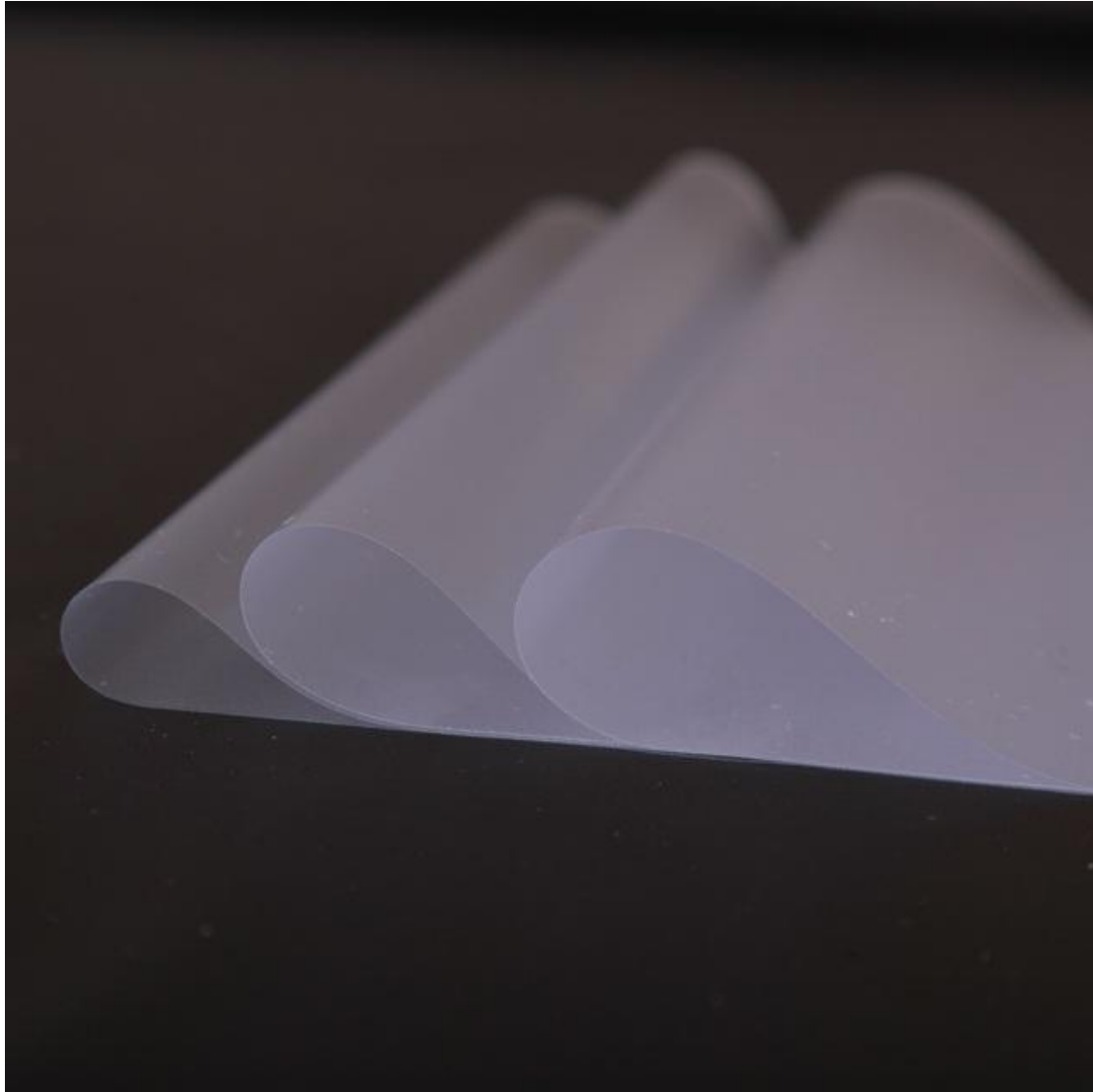


2. Strong Coated Overlay

Strong PVC coated overlay use for card making and laminating, one side is glossy surface, another side with glue(adhesive) surface. It has strong adhesion effect, easy operation, anti-yellowing. With the transparent PVC overlay as the carrier, it is the composite material which coated with special water-based adhesive.

It is mainly used for banking cards and other smart cards, adhesive peel strength is more than 8.0 N/cm.

Thickness Range	Color	Vicat (B50)	Surface Tension	Peel Strength	Density
0.040~0.12 mm	Transparent	72± 2 °C	34~44 dynes/cm	≥8.0 N/cm	1.18~1.28 g/cm ³



3. Laserable Coated Overlay

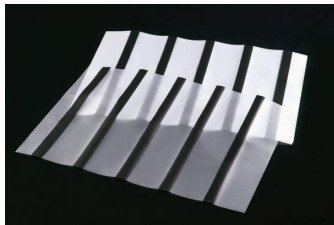
It has high peel strength, strong adaptability to various printing inks, suitable for quick laser coding, good chemical stability, it is not easy to cause deformation for lamination.

Thickness Range	Color	Vicat (B50)	Surface Tension	Peel Strength	Density
0.050~0.10 mm	Transparent	65±3 °C	34~44 dynes/cm	≥6.0 N/cm	1.23±0.05 g/cm ³



4. Coated Overlay with Magnetic stripe

Coated overlay with magnetic strip, use for card making and laminating, one side is with magnetic strip, another side with glue for laminating. It has excellent adhesive strength, chemically stable.





B. PVC Card Base Material

1. Offset/Litho Printing White PVC Core

It is use for various laminated or non-laminated, printing, coating, color-spraying, punching and die-cutting common sheet. It has wide application, such as, rechargeable card, phone card, membership card, calendar card,etc.

Mainly used as protection layer/inlay layer/bearing layer for all kinds of smart cards.

Thickness Range	Color	Vicat (B50)	Surface Tension	Tensile Strength	Density
0.10~0.80 mm	White	78± 2 °C	34~44 dynes/cm	≥40 Mpa	1.35~1.45 g/cm ³



2. Black PVC Core

It is use for various laminated or non-laminated, printing, coating, color-spraying, punching and die-cutting common sheet. It has wide application, such as, rechargeable card, phone card, membership card, calendar card,etc.

Mainly used as protection layer/inlay layer/bearing layer for all kinds of smart cards.

Thickness Range	Color	Vicat (B50)	Surface Tension	Tensile Strength	Density
0.10~0.80 mm	Black	78± 2 °C	34~44 dynes/cm	≥40 Mpa	1.35~1.45 g/cm ³

3. Transparent PVC Core

It is use for various laminated or non-laminated, printing, coating, color-spraying, punching and die-cutting common sheet. It has wide application, such as, rechargeable card, phone card,

membership card, calendar card,etc.

Mainly used as protection layer/inlay layer/bearing layer for all kinds of smart cards.

Thickness Range	Color	Vicat (B50)	Surface Tension	Tensile Strength	Density
0.10~0.80 mm	Transparent	76± 2 °C	34~44 dynes/cm	≥40 Mpa	1.28~1.38 g/cm ³

C. PVC-ABS Card Base Material

PVC-ABS Core Sheet

Characteristics:

Anti-High impact strength, High performance for using with higher or lower temperature, Superb dimensional stability etc.

Application:

Used for all kinds of SIM card and other card in need of high temperature resistance, such as Mico SIM card, Nano SIM card, Smart-SD card, HCSIM card etc.

Thickness Range	Color	Vicat (B50)	Surface Tension	Tensile Strength	Density
0.25~0.80 mm	White	80~90 ± 2 °C	36~42 dynes/cm	≥40 Mpa	1.35~1.45 g/cm ³





D. PETG Card Base Material

PETG Core Sheet

Characteristics:

Eco-Friendly, Decompose into carbon dioxide and water after burning,

Application:

Has been used for the Second Generation of Resident ID card of China, Police officers ID cards of Hongkong and Macao pass, Social security cards, Indonesia national ID cards, Vietnam national ID cards, Eco-friendly grade Financial card etc.

Thickness Range	Color	Vicat (B50)	Surface Tension	Tensile Strength	Density
0.10~0.40 mm	White	76~82 °C	≥ 38 dynes/cm	≥ 40 Mpa	1.17~1.30 g/cm ³



PETG Coated Overlay

It is used for heat-resistant card based material protective film, high peel strength, not easy to cause deformation.

Thickness Range	Color	Vicat (A50)	Tensile Strength	Density	Peel strength
0.06~0.10	Transparent	115 $\pm$ 3 °C	≥ 38 Mpa	1.10 $\pm$ 0.04	≥ 6.0 N/cm

mm				g/cm ³	
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E. PC Card Base Material

PC Core Sheet

Characteristics:

High mechanical strength, Impact resistance, heat resistance, scratch resistance, V0 grade flame retardant, Excellent laser etching application.

It is used for national ID cards and other high grade cards. It is capable of achieving laser ablation, sunken cord, leveling up, printed layer, and has resistance to high temperature, high strength and environmental protection.

Thickness Range	Color	Vicat (A50)	Surface Tension	Tensile Strength	Density
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0.10~0.40 mm	White	135±3 °C	34~38 dynes/cm	≥38 Mpa	1.28±0.04 g/cm ³
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PC Coated Overlay

Characteristics:

High transparency, High surface gloss.

It is used for heat-resistant card based material protective film, high peel strength, not easy to cause deformation.

Thickness Range	Color	Vicat (A50)	Tensile Strength	Density	Peel strength
0.06~0.10 mm	Transparent	115±3 °C	≥38 Mpa	1.10±0.04 g/cm ³	≥6.0 N/cm

F. PLA Card Base Material

PLA Core Sheet

Characteristics:

PLA is Biodegradable material for card making. It is widely regarded as eco-friendly products since its good biodegradability. It can be fully degraded by microorganisms in natural word under specific conditions and generate water and CO₂ eventually.

Thickness Range	Color	Vicat(B50)	Surface Tension	Tensile Strength	Density
0.10~0.35 mm	White	50±3 °C	≥38 dynes/cm	≥40 Mpa	1.24±0.05 g/cm ³

PLA Coated Overlay

It is used for Eco-friendly card film, high peel strength, not easy to cause deformation.

Thickness Range	Color	Vicat (B50)	Tensile Strength	Density	Peel strength
0.06~0.10 mm	Transparent	50±3 °C	≥38 Mpa	1.12±0.05 g/cm ³	≥6.0 N/cm