



Innovative Materials Shift the Future

TIANJIN BOYUAN NEW MATERIALS CO., LTD.

Tel: +86-22-83711383

Fax: +86-22-83711387

E-mail: boyuan@boyuanmaterials.com

www.boyuanmaterials.com

PET Coated Overlay/B5115-MS20

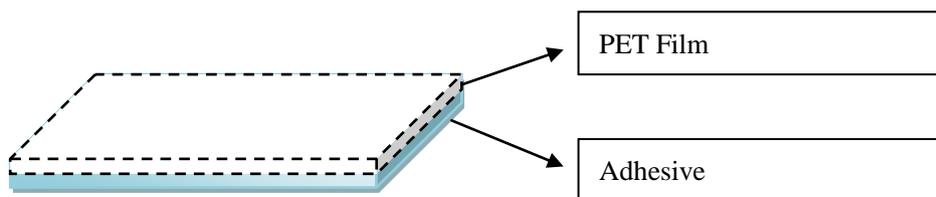
◆ Brief Introduction:

B5115-MS20 PET Coated Overlay is an eco-friendly card-making material. Compared with PVC Coated Overlay, B5115-MS20 is more durable, glossy, transparency as well as low steam permeability. Excellent mechanical properties makes B5115-MS20 could withstand -70°C to 150°C, anti-ultraviolet radiation. B5115-MS20 has good adhesion to ink, no color change and distortion after lamination.

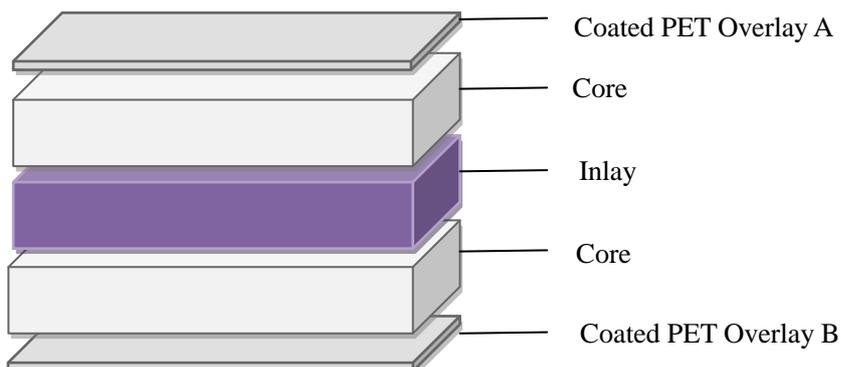
◆ Characteristics:

- Excellent adhesion to UV and Silkscreen Ink
- Durability more than six years
- Accept tape laying, thermal transfer, D2T2, Hot stamp etc
- No orange peel issue after laminating with foil core
- Widely used on Foil cards, Black cards, Metal cards as well as smart Display cards
- No solvent or gas discharged in card production process

◆ Product Structure



◆ Typical card structure





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◆Using Method:

Coated PET Overlay should be map-matched : A film + B film.

Laminate only A film or only B film on both sides of card will cause torque issue.

Please note that mix the lot number will also face the torque risk as well !

Lamination mark has Mirror Printed at adhesive side.

For examples : “B5115-MS20 *A* 970518”, “B5115-MS20” is product code, *A* mean A film, “970518” is lot number.

◆Physical Parameters:

Item	Parameters
Thickness (micron)	50±10%
Shrinkage (%) 150°C, 30min	MD: ≤5
	TD: ≤2
Elongation (%)	MD: ≥100
	TD: ≥80
Tensile Strength (Mpa)	MD: ≥90
	TD: ≥120

◆Suggest Laminating Recipe

Laminating Unit	Temp(°C)	Pressure (Mpa)	Time (min)
Cooking	≤130	≤5	≤25
Cooling	≤20	≤5	≥25

◆Packing:

Outer: Carton Inner: PE bag

◆Storage:

Keep package sealed and moisture-proof, room temperature between 5~30°C.

Keep horizontally, avoid oppress heavily and direct sun light.

Stacking height should not exceed one meter.

Shelf life: One year.

! The information is based on our practical production and result of testing. We suggest testing should be necessary before a batch use. We announce that the specification can not be used as the guarantee of the products.