

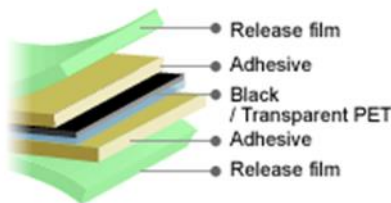
Double coated tapes for LCD modules

S7510BB series

Features

- Black printed surface offers high light-blocking and shielding.
- Suitable for miniaturizing products.
- PET carriers for excellent handling and punching process.
- Halogen-free.

Structure



Product name	S7510BB-50	S7510BB-60	S7510BB-85
Main component	Acrylic	Acrylic	Acrylic
Carrier	About 20μm printed PET film	About 20μm Printed PET film	About 31μm printed PET film
Color	Black	Black	Black
Adhesive thickness (μm)	About 50	About 60	About 85
Release PET film thickness (μm)	About 38+38	About 38+38	About 38+38
Bonding strength (N/20mm)*	7.0	7.0	10.0
St'd size (Width & length)	500mm × 100m	500mm × 100m	500mm × 100m

* 180° peeling strength /substrate : stainless steel SUS304 (surface is polished by #280 sandpaper)

Suitable use

- Ideal for bonding LCD panels to backlight units.

Technical information

[Remarks]

*The above values are sample observed values, not the guaranteed performance.

1. Bonding strength on various type of substrate (180° peeling)

<Test piece condition>

Tape width: 20mm

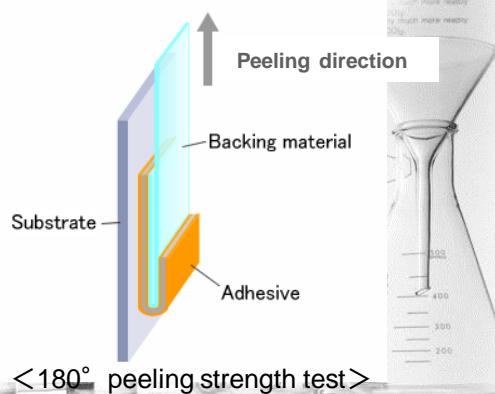
Bonding condition: One stroke with 2-kg roller

Measuring condition: 23°C ± 5°C 60% ± 20%RH

Peeling speed: 300mm/min

Backing material: 25μmPET

[Left at RT at one hour before measurement]



<180° peeling strength test>

<Results>

	Substrate	S7510BB-50	S7510BB-60	S7510BB-85
180° peeling strength (N/20mm)	PC	12	12	15
	Glass	12	12	15
	HC-TAC film*	12	12	14

* HC-TAC film is processed saponification.

2. Holding power at different temperatures

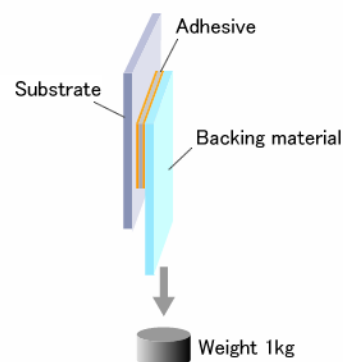
<Test piece condition>

Substrate: Stainless steel plate (SUS304)

Bonding area: 25mm × 25mm

Bonding condition: One stroke with 2-kg roller

[Left at RT for one hour and measure creep length after one hour application of 1-kg load at each temperature]



<Results>

<Holding power test>

	Measurement temperature	S7510BB-50	S7510BB-60	S7510BB-85
Creep length (mm)	40°C	0.2	0.2	0.3
	80°C	0.3	0.3	0.5

3. Optical characteristics

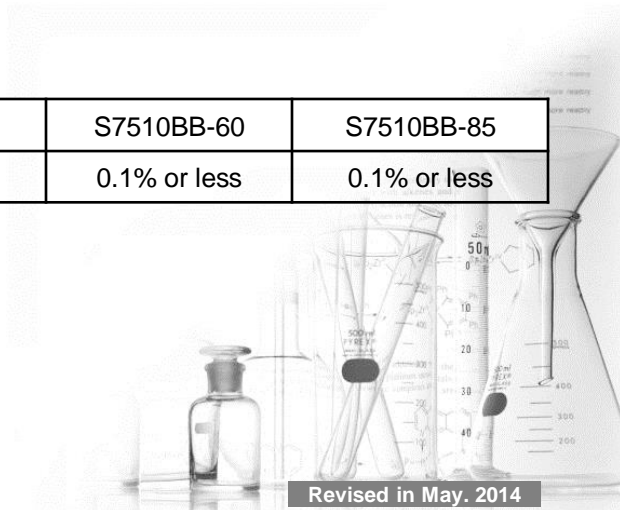
<Test piece condition>

Wavelength: 550nm

Light shielding (transmittance): Measured with spectrophotometer

<Results>

Product name	S7510BB-50	S7510BB-60	S7510BB-85
Transmittance	0.1% or less	0.1% or less	0.1% or less



Revised in May, 2014

Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company. This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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