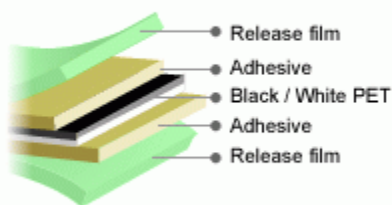


# Double coated tapes for LCD modules S7700 series

## Features

- Black side offers high light-blocking and shielding, white side offer high reflectivity.
- Suitable for miniaturizing products.
- PET carriers for excellent handling and punching process.
- Halogen-free.

## Structure



Product name	S7750HBK	S7760HBK	S7780HBK
Main component	Acrylic	Acrylic	Acrylic
Carrier	About 18 $\mu$ m printed PET film	About 18 $\mu$ m Printed PET film	About 26 $\mu$ m printed PET film
Color	White / Black	White / Black	White / Black
Adhesive thickness ( $\mu$ m)	About 50	About 60	About 85
Release PET film thickness ( $\mu$ m)	About 38+38	About 38+38	About 38+38
Bonding strength (N/20mm)*	13	13	16
St'd size (Width & length)	500mm $\times$ 100m	500mm $\times$ 100m	500mm $\times$ 100m

\* 180° peeling strength

## Suitable use

- Ideal for bonding LCD panels to backlight units.

## Technical data

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

<Test piece condition>

Tape width: 20mm

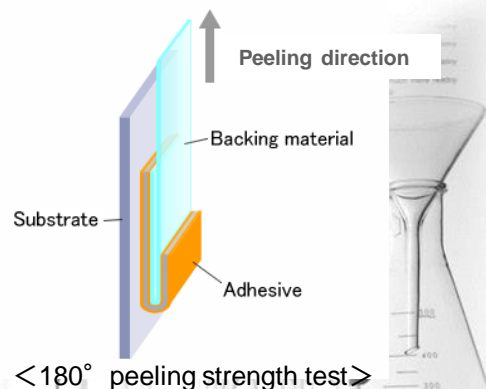
Bonding condition: One stroke with 2-kg roller

Measuring condition: 23°C  $\pm$  5°C 60%  $\pm$  20%RH

Peeling speed: 300mm/min

Backing material: 25 $\mu$ mPET

[Left at RT at one hour before measurement]



< 180° peeling strength test >

<Results>

	Substrate	S7750HBK	S7760HBK	S7780HBK
180° peeling strength (N/20mm)	SUS	13	13	16
	PC	11	11	15
	Glass	12	12	15
	HC-TAC film*	11	11	15

\* HC-TAC film is processed saponification.

2. Holding power at different temperatures

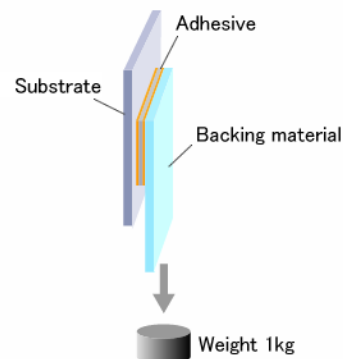
<Test piece condition>

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	S7750HBK	S7760HBK	S7780HBK
Creep length (mm)	40°C	0.2	0.2	0.3
	80°C	0.4	0.4	0.6

3. Optical characteristics

<Test piece condition>

Wavelength: 550nm

Reflectance: Measure on the white side

Light resistance (transmittance): Measure on the black side

Measured with spectrophotometer

<Results>

Product name	S7750HBK	S7760HBK	S7780HBK
Reflectance (White side)	About 68%	About 68%	About 75%
Transmittance (Black side)	0.1% or less	0.1% or less	0.1% or less

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.

Dexerials Corporation

URL : <http://www.dexerials.jp/en/>

Head Office: Gate City Osaki, East Tower 8<sup>th</sup> floor, 1-11-2 Osaki, Shinagawa-ku, Tokyo, JAPAN 141-0032

Sales & Marketing Dep. TEL : +81-3-5435-3946