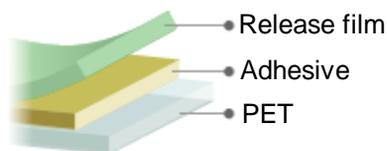


FPC manufacturing process tapes **PET8420**

## Features

- UV curable PET film base adhesive tape.
- Bonding strength is high before exposure to UV radiation but declines after exposure to UV radiation, allowing easy peeling.
- Recommended condition of UV radiation is 200 to 250mJ/cm<sup>2</sup> (UV accumulated-light-amount)

## Structure



Product name	PET8420
Main component	Acrylic
Carrier	125μmPET
Color	Transparent
Tape thickness (μm)	About 155
Release film thickness (μm)	About 38
Bonding strength (N/20mm)*	Initial: 4.60 After UV irradiation: 0.05
St'd size (width & length)	250mm × 200m

\* 180° peeling strength (Substrate :Polyimide)

## Suitable use

- Ideal for carrier tapes used during FPC transportation and processing.

## Technical data

### 1. Bonding strength before and after UV radiation (180° peeling)

<Test piece condition>

Substrate: Polyimide film

Tape width: 20mm

Bonding condition: One stroke with 2-kg roller

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

Peeling speed: 300mm/min

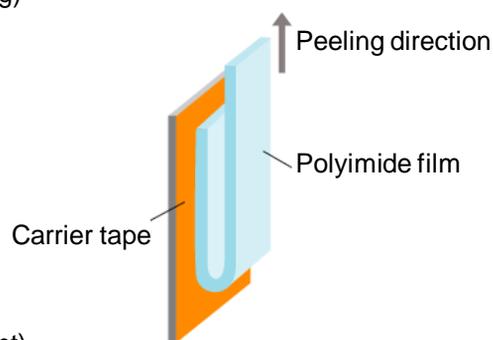
[Left at RT for one hour before measurement]

<UV irradiation condition>

UV light system: Metal halide lamp

UV irradiation dose: 200mJ/cm<sup>2</sup> (UV accumulated-light-amount)

Irradiation direction: PET face of test piece.



<180° peeling strength test>

<Results> (N/20mm)

Product name	PET8420
Initial value	4.60
After UV radiation	0.05

## Remarks

<Direction>

Recommended condition: Adhesion at RT (Using laminator or pressing machine)

Standard curing condition, 200-250mJ/cm<sup>2</sup> (UV accumulated-light-amount)

Please care when handling this product.

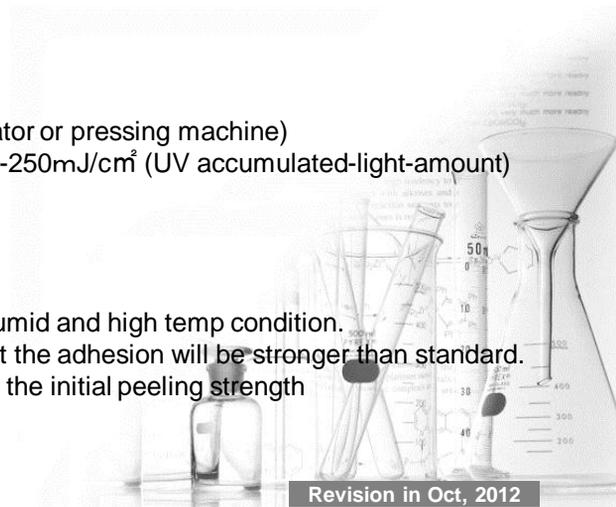
-Operate the product under yellow lamp.

-Do not store the product under direct light

-There might be an adhesion change if you keep under humid and high temp condition.

-If you store it for a long period there might be a risk that the adhesion will be stronger than standard.

-Please keep product under 30°C, due to the decrease of the initial peeling strength



Revision in Oct, 2012

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