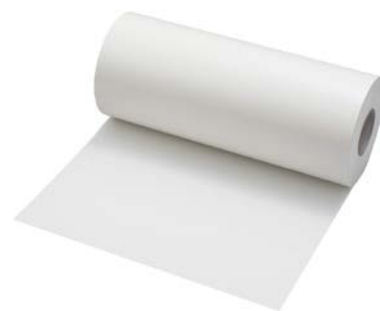


Thermosetting tapes suitable such as specialty card
(Metal card or biometric card, Dynamic card verification value card)

D3450 series Thermosetting Tapes for smart cards

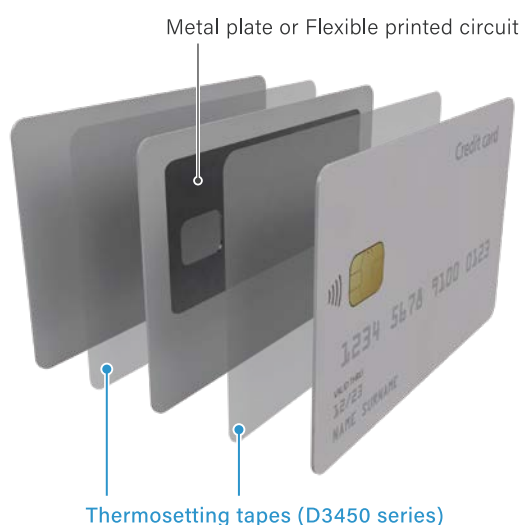


Product Name D3451 D3450

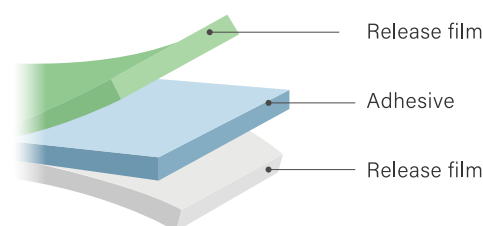
Features

- Excellent adhesive strength for plastic sheet, metal plate & flexible printed circuit by hot lamination
- Storage at room temperature; easy handling.
- Initial tack enables tentative positioning

Example of Use



Structure



Specifications

Product name	D3450	D3451
Main component	Acrylic / Epoxy	Acrylic / Epoxy
Carrier	Non-carrier	Non-carrier
Color	White	White
Adhesive thickness [μm]	About 35	About 25
Release film thickness [μm]	About 38	About 38
Release paper thickness [μm]	About 130	About 130
Bonding strength [N/10mm] *	31	25
Standard size (width & length)	250mm x 100m 500mm x 100m	250mm x 100m 500mm x 100m

[Standard bonding condition]

- Vacuum quick press and postcure process
Press temperature : 160 to 180 °C
Vacuum time : 10 to 30 sec
Pressing time : 1 to 2 min.
Pressure : 1 to 2 MPa
Postcure condition : 140°C 60min.
- Long press process
Press temperature : 160 °C
Pressing time : 60 min.
Pressure : 3 MPa

* 90°peeling strength / Substrate : Polyimide

Technical data

Bonding strength on various type of substrate (90°peeling)

(N/10mm)

Bonding condition	Substrate	D3450		D3451	
		Normal	After reflow	Normal	After reflow
Vacuum quick press and postcure	CCL/Polyimide	31	31	31	31
	CCL/Glass epoxy	27	27	27	27
	CCL/Aluminum	16	16	16	16
	CCL/Stainless steel	17	17	17	17
Long Press	CCL/Polyimide	26	26	26	26
	CCL/Glass epoxy	28	28	28	28
	CCL/Aluminum	16	16	16	16
	CCL/Stainless steel	18	18	18	18

[Test piece condition]

Substrate: Glass Epoxy, Polyimide, Aluminum, Stainless steel

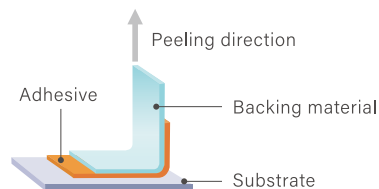
Tape width: 10mm

Bonding condition: recommended processes

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

Peeling speed: 50mm/min

Backing material: CCL (Copper Clad Laminate)



Product inquiry

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<https://www.dexerials.jp/en>

Product data described here are based on company evaluation results and are not to be used for specification purposes. Dexerials makes no warranty, representation or guarantee regarding the product data or suitability of the product for any particular purpose. It is essential to evaluate the product to determine whether it fits for a particular purpose and suitable for the user's method or application.

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