

Features of Our Cover Tape and Strength of DNP

DNP

DNP's cover tape have 12 kind of high quality products compatible with various electronic components and devices, and it is applied core technology cultivated as the World's largest printing company.

(As of September 2021)

Use ● For electronic components and devices transportation.

Characteristics

- ① **Stable and Smooth Peeling and Stable Conductivity**
 - Easy to seal and peeling off
 - Applicable to high-speed sealing and peeling
- ② **Multi sealable**
 - Most of our cover tape products can be applied to both PS and PC carrier tape.
 - Some products can be used with A-PET also
- ③ **Stable Conductivity** - Conductivity retain at low humidity environment

Manufacturing ability/Environment

DNP techno pack factory in Izumisaki

- **High production capacity·Stable product performance and safety**
⇒The cover tape manufactured at the largest film`s factory in DNP group that also manufactures packages for food and medical products.

Analysis and measurement ability

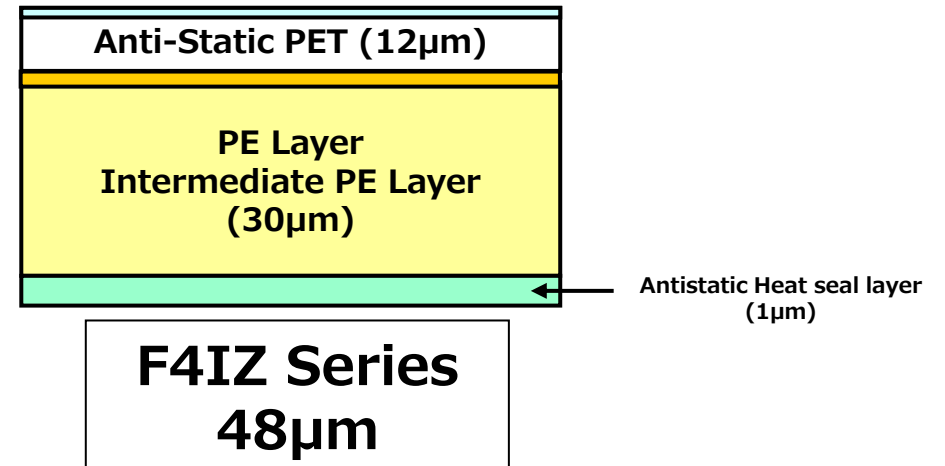
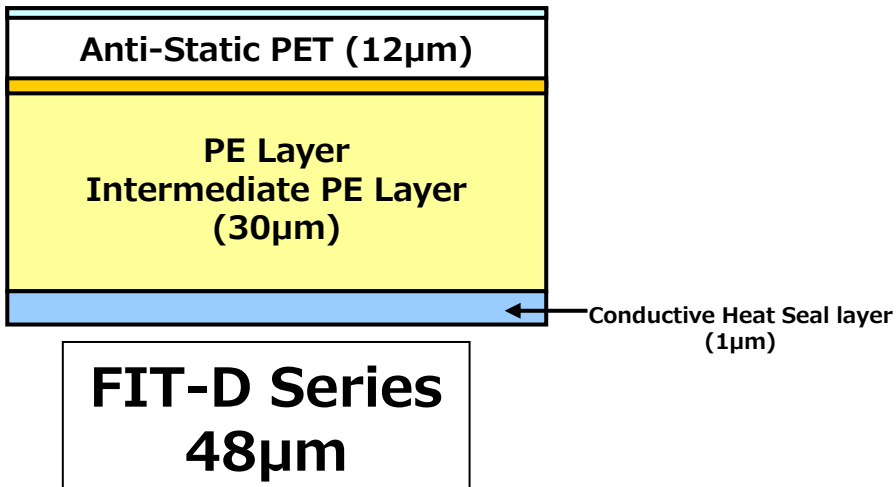
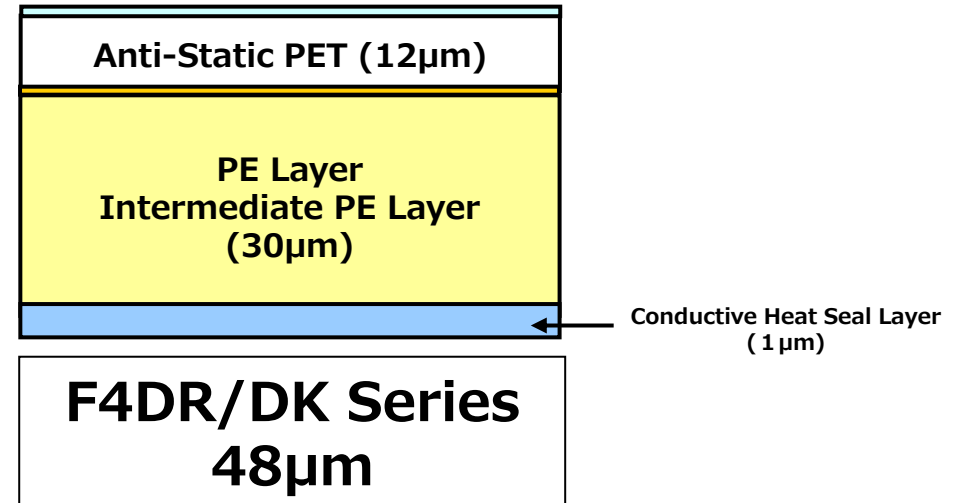
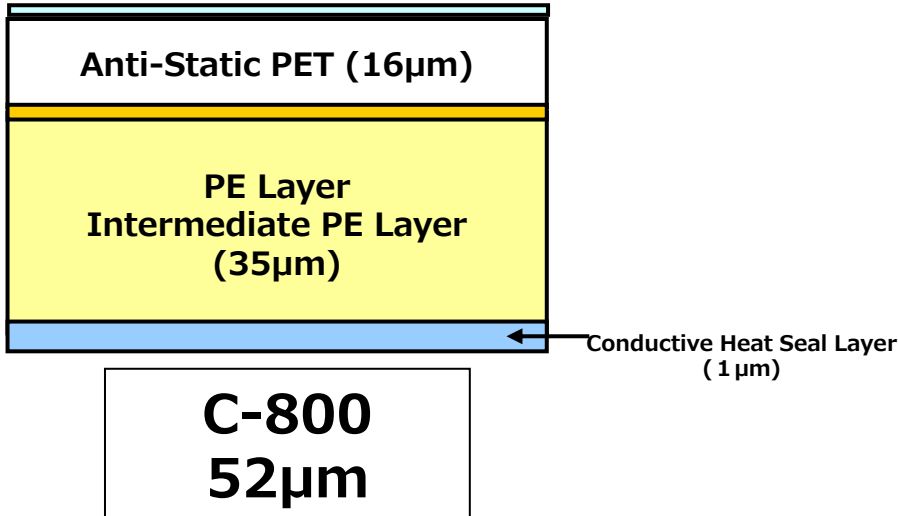
- **Peel strength/Peeling electrification voltage/surface resistance value/possess a haze measurement device** (Accumulate data on various grade)
- **DNP R&D Center to provides highly accurate analysis at the atomic level.**



Cover Tape Line Up

DNP

	Products name	Material of carrier tape	Application(Example)	Features
1	LT-6 P25	Only for PP	Connector/Switch/ Mechanical Component	Only for PP
2	C-800	Only for PS	Connector/Switch/ Mechanical Component	High Speed Sealing/Peeling & Stable Peeling Force
3	F4DR	Multi seal (PS/PC/A-PET)	IC/MEMS	Sealable to the multiple materials/ Low Temperature Sealability
4	F4DR SP	Multi seal (PS/PC/A-PET)	IC/MEMS	[improved F4DR] Cost down & more transparent & lower charge separation
5	F4DRH	Multi seal (PS/PC/A-PET)	IC/MEMS LED	[Improved Product of F4DRSP] Less Chip Stick and Less Color Shift
6	F4DK	PS/PC	IC/MEMS/ Connector/Filter	Stable Peeling Force (Narrow Range of Peeling Force)
7	FIT-D	PS/PC	IC/MEMS/ Filter	Stable Peeling Force (Narrow Range of Peeling Force) Ultra Transparent
8	FIT-HV	PS/PC	IC/MEMS Filter	[Improved FIT-D] Cost down & More transparent
9	F4IZ	PS/PC	Capacitor/Crystal	Low cost & Low temperature sealability
10	F4YS	PS/PC	Electric capacitor Crystal oscillator	[improved F4IZ] Cost down
11	F4HA	PS	MLCC/Resistor/ Inductor	[Modified Product of F4IZ] High Speed Sealing & Stable Peeling Force
12	F4MA	PS/PC	LED/IC	[Modified Product of F4IZ] Shelf Stability & Stable Peeling Force



	unit	Method	C-800	F4DR	F4DRSP	New F4DRH	F4DK	FITD	New FITHV	F4IZ	F4HA	New F4MA	
Thickness	Mm	Micro gauge	0.052	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	
Braking strength	MPa	JIS K7127	60	50	50	50	50	50	50	60	60	60	
Extend rate	%	JIS K7217	100	90	90	90	90	90	90	90	90	90	
Haze value	%	JIS K7105	30	25	12	12	15	10	7	15	15	15	
S.R	PET	Ω/□	JIS K6911	10 ⁹⁻¹¹	10 ⁹⁻¹¹	10 ¹⁰⁻¹¹	10 ¹⁰⁻¹¹	10 ⁹⁻¹¹	10 ⁹⁻¹¹	10 ⁹⁻¹¹	10 ¹⁰⁻¹¹	10 ¹⁰⁻¹¹	10 ¹⁰⁻¹¹
	シーラント			10 ⁸⁻⁹	10 ⁷⁻⁸	10 ⁷⁻⁸	10 ⁷⁻⁸	10 ⁷⁻⁸	10 ⁷⁻⁸	10 ⁷⁻⁸	10 ⁷⁻⁸	10 ¹⁰⁻¹¹	10 ¹⁰⁻¹¹

The above data are typical values, not guaranteed values.