



WANSEN PROTECTIVE FILM

High-Performance Electronic Protective Film Series

Protective Film Specification
Series: General / Anti-Static / Functional

1. General Residue-Free Protective Film

PET/CPP Series

Features: Utilizes PET or PP as substrates with PSA (Pressure Sensitive Adhesive) coating. Features excellent cleanliness and flatness. Available in Acrylic, Silicone, and PU adhesive systems; thickness and peel force can be customized.

Applications: Process protection for mobile phones, computers, and touch screens; inline die-cutting and shipping protection.

Model	Adhesive	Base/Thick. (μm)	Total Thick. (μm)	Peel Force (gf/inch)	Color
SDKT0382H	Acrylic	PET / 38	44	3 ~ 6	Transparent
SDKT0502H	Acrylic	PET / 50	58	3 ~ 6	Transparent
TR-5001-LLL	Acrylic	PET / 50	58	0.1 ~ 3	Transparent
TR-7501-L	Acrylic	PET / 70	85	6 ~ 12	Clear/Blue
SDK2291C	Silicone	PET / 50	60	0.1 ~ 3	Transparent
SDK2291T	PU	PET / 50	65	< 3	Transparent

2. Anti-Static Protective Film

ESD Control

Features: Excellent anti-static performance, coated in Class 1000 cleanrooms. Stable surface resistance prevents electrostatic discharge (ESD). Customizable anti-static layers (Coating/Additive types).

Applications: Process and shipping protection for TN/STN/TFT polarizers, optical films, and display modules.

Model	Adhesive	Base Thick. (μm)	Peel Force (gf/inch)	Surf. Resist. (Ω/sq)	Sep. Voltage (KV)
SDK2282	Acrylic	60	3 ~ 6	10 ⁹ -10 ¹¹	< 0.5
SDK2392-DE	Silicone	85	3 ~ 6	10 ⁶ -10 ⁹	< 0.5
TR-7501-Blue	Silicone	85	1 ~ 3.5	10 ⁶ -10 ⁹	< 0.5
SDK2282T	PU	60	3 ~ 6	10 ⁸ -10 ¹¹	< 0.5

3. Functional Coating Film (AR/AG/HC)

Hard Coat

Features: **HC (Hard Coat):** Surface hardness up to 3H, scratch-resistant. **AR (Anti-Reflective):** Transmittance >94%, Reflectivity <2%. **AG (Anti-Glare):** Matte finish, reduces eye fatigue.

Model	Structure	Thick. (μm)	Trans. (%)	Haze (%)	Hardness
SDK50T-HC-AR	PET+HC+AR	53	94.5	1.4	H
SDK50T-AG	PET+AG	54	90.5	35	H
SDK50T-AS-E	PET+HC	53	90.5	0.52	H
SDK188T-AR-C	PET+UV HC	193	≥90	≤2	2H

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4. High Temp & Acid Resistant Series

Specialty

High Temp: Low-shrinkage PET base, withstands 150°C-220°C, no residue after baking (Mobile cover printing, PVD process).

Acid Resistant: Resistant to 20% HF acid immersion for 30 mins, suitable for OGS secondary strengthening process.

Model	Type	Base	Thick. (µm)	Key Feature	Temp.
SDK2201G	High Temp	PET	60	Low Shrinkage	150°C
SDK2507C-1	Acid Resist	PO	90	Resists HF Acid	-
SDK E20	Recyclable	PE+EVA	55	Eco-Friendly	-

RELEASE PAPER SERIES BELOW

5. Glassine & CCK Release Paper

Label / Tape

Glassine: High density, excellent light transmission, high-temperature resistance. Ideal for high-speed automatic labeling and die-cutting.

CCK: Clay Coated Kraft paper. Excellent surface flatness and stiffness. Suitable for carbon fiber prepreg and industrial tapes.

Model	Type	Weight (g/m ²)	Thick. (µm)	Peel Force (gf/25mm)	Color
WG-62-L	Glassine	60 ± 3	53 ± 3	10 - 20 (Light)	White
BG-80-M	Glassine	80 ± 4	68 ± 4	15 - 35 (Med)	Blue
YG-90-H	Glassine	90 ± 4	78 ± 4	30 - 50 (Heavy)	Yellow
CCK-120-W	CCK	120 ± 5	115 ± 5	20 - 40	White

6. PE Coated & Kraft Release Paper

Industrial

PE Coated: Good moisture resistance and flatness. Single-sided for general tapes; Double-sided for double-sided tapes (differential release).

Kraft: Economical, high mechanical strength, used for large-area protection and packaging.

Model	Structure	Weight (g/m ²)	Thick. (μm)	Peel Force (gf/25mm)	Feature
WK-100-S1	1-Side PE/Si	100 ± 5	105 ± 5	10 - 30	General Tape Liner
WK-120-S2	2-Side PE/Si	120 ± 5	135 ± 5	5 / 35 (Diff.)	Double-Sided Tape
YK-70-S1	Yel. Kraft	70 ± 3	85 ± 5	20 - 50	Economic/Packing
WK-140-S1	Wht. Kraft PE	140 ± 5	160 ± 5	10 - 30	High Stiffness/Ad

Notice:

1. Storage Condition: 23±2°C, Humidity 50±5%. Recommended Shelf Life: 12 months.
2. Data above is based on laboratory standards. Customers are advised to test before mass production.

Changzhou Wansen New Materials Co., Ltd.

DISCLAIMER: The technical data and information provided herein are based on our current knowledge and experience. They are intended as a reference only and do not constitute a warranty or guarantee of specific properties. Values represent typical performance and may vary based on test methods. The user is solely responsible for determining the suitability of the product for their intended application prior to use. Changzhou Wansen New Material Co., Ltd. reserves the right to modify specifications without prior notice.