

## TECHNICAL DATA SHEET

### HS-8010C

#### PRODUCT DESCRIPTION

HS-8010C is a transparent, substrate-free double-sided transfer tape utilizing a pressure-sensitive acrylic adhesive system.

Structure: Pure adhesive film without carrier substrate.

#### KEY FEATURES

- High adhesion strength to metals, glass, select plastics, and painted surfaces
- Resistant to static mechanical stress and creep under load
- Outstanding aging resistance against temperature extremes, UV exposure, moisture, and solvents

#### PRIMARY INDUSTRY APPLICATIONS

- Automotive Manufacturing
- Electronics Assembly
- Advertising & Signage
- Hardware Fabrication
- Building & Construction

#### STANDARD DELIVERY SPECIFICATIONS

Adhesive Layer Thickness (mm)	Width (mm)	Length (m)
0.10	800	33 / 66 / 100

Note: Custom widths and lengths available upon request. Contact Anhui Heshuo for details.

#### PHYSICAL PROPERTIES (LABORATORY REFERENCE)

ITEM	UNIT	VALUE	REF STD
Adhesive Layer Thickness	mm	0.10±0.01-0.02	GB/T7125-2014
180° Peel Adhesion (Steel Plate) (25 min dwell)	N/25mm	≥20	GB/T2792-2014
Static Shear (25×25 mm) (80 °C, 500 g load)	hr	≥24	GB/T4851-2014
Temperature Resistance (Short-Term Peak)	°C	150	-
Temperature Resistance (Continuous Service)	°C	-40 to +100	-

Tape Color	-	Transparent	-
Liner Type	-	PET Film	-

Shelf Life: 12 months from shipment date in original packaging at 4–30 °C, <55% RH.

## APPLICATION INSTRUCTIONS

- Bond strength depends on adhesive contact area; apply firm initial pressure to maximize bonding performance.
- For optimal results, ensure surfaces are clean, dry, and uniformly flat. Typical solvent: ethanol. Follow safety protocols when handling solvents.
- Recommended application temperature: 21–38 °C (70–100 °F). Avoid initial bonding below 10 °C (50 °F).

## EXTENDED APPLICATION SCENARIOS

- Bonding interior trim badges and decorative emblems on automotive exterior/interior panels
- Mounting touchscreen display lenses onto device frames in consumer electronics assembly
- Affixing transparent acrylic signage to glass storefronts and indoor wall surfaces
- Laminating protective anti-scratch films onto elevator control interface panels
- Transfer bonding of reflective foils on traffic sign substrates in outdoor installations

## DETAILED PRODUCT DESCRIPTION

- Structure: Substrate-free acrylic adhesive film enables ultra-thin bonding lines and minimizes visible edges in finished assemblies.
- Adhesive Performance: Pressure-sensitive acrylic formulation provides rapid wetting and high ultimate strength on smooth substrates.
- Stress Management: Uniform adhesive layer distributes mechanical stress evenly, reducing peel initiation risk under vibration.
- Thermal Durability: Maintains bond integrity from -40 °C to +100 °C continuous service; withstands short-term spikes to 150 °C.
- Process Compatibility: Compatible with manual and automated die-cutting; PET liner supports precise registration in high-volume production.

## IMPORTANT STATEMENT

All parameter values provided by Anhui Heshuo are laboratory test results under controlled conditions and are not guaranteed specifications. Product suitability varies by end-use application. Customer must perform pre-production suitability testing and confirm fitness prior to purchase. Purchase implies customer assumes applicability risk. Anhui Heshuo will replace non-conforming goods for verified quality issues. Intellectual property rights protected by law; unauthorized replication, imitation, or misuse is prohibited.