

TECHNICAL DATA SHEET

HS-8050C

PRODUCT DESCRIPTION

HS-8050C is a transparent double-sided tape based on an acrylic adhesive system.

Structure: Multi-layer composite design with uniform internal stress distribution.

KEY FEATURES

- High initial adhesion to metals, glass, most plastics, and painted surfaces
- Resists static/dynamic mechanical stress including impact and vibration
- Exceptional aging stability under temperature extremes, UV, moisture, and solvents

PRIMARY APPLICATIONS

- Automotive
- Electronics
- Signage & Graphics
- Hardware Manufacturing
- Building Construction
- Solar PV Systems
- Elevator Components

DELIVERY SPECIFICATIONS

Thickness (mm)	Width (mm)	Length (m)
0.50	1000	33-330

Note: Other widths/lengths available. Contact Anhui Heshuo for customization.

PHYSICAL PROPERTIES (LAB REFERENCE)

ITEM	UNIT	VALUE	REF STD
Nominal Thickness	mm	0.50±0.02	GB/T7125
180° Peel Adhesion to Steel (20 min)	N/25mm	≥26	GB/T2792
Static Shear (24×24 mm, 80 °C, 500 g)	hr	≥72	GB/T4851
Short-Term Temp Resistance	°C	150	-
Long-Term Service Temperature	°C	-20 to +80	-
Tape Appearance	-	Transparent	-
Liner Color	-	Red	-

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

APPLICATION GUIDE

- Clean bonding surfaces thoroughly with ethanol/IPA; ensure dryness and flatness.
- Apply tape at 21–38 °C; avoid initial bonding below 10 °C.
- Apply firm pressure post-placement to maximize contact area and bond strength.

ADDITIONAL APPLICATION SCENARIOS

- Mounting interior trim panels and dashboard badges on automotive interiors
- Bonding touchscreen displays to housing frames in consumer electronics
- Installing clear acrylic signage on retail storefront glass/walls
- Affixing anti-scratch protective layers on elevator button panels
- Assembling photovoltaic junction box mounts on solar module backs

DETAILED PRODUCT DESCRIPTION

- **Core Composition:** Multi-layer acrylic foam structure balances conformability and shear resistance, adapting to minor substrate irregularities.
- **Adhesive Performance:** Solvent-free acrylic system delivers immediate tack and maintains bond integrity under sustained vibration/shock loads.
- **Environmental Stability:** Withstands continuous exposure from -20 °C to +80 °C; short-term peak tolerance up to 150 °C.
- **Visibility Feature:** Transparent adhesive layer eliminates visual obstruction; red liner aids alignment in automated dispensing processes.
- **Compliance Profile:** Low-VOC formula suitable for enclosed spaces; passes basic environmental aging validations per industry protocols.

IMPORTANT NOTICE

Laboratory values are for reference only and not guaranteed. Product suitability varies by end-use conditions. User must conduct pre-production validation. Unauthorized replication or misuse violates intellectual property rights.