

TECHNICAL DATA SHEET

HS-8060B (3-Layer Structure)

PRODUCT DESCRIPTION

HS-8060B (3-layer structure) is a black double-sided tape employing an acrylic adhesive system.

Structure: Three-layer engineered composite providing balanced internal stress distribution.

KEY FEATURES

- Excellent adhesion to metals, glass, various plastics, and painted surfaces
- Resistant to both static and dynamic mechanical stresses
- Good aging stability and UV resistance

APPLICATIONS

- Automotive Industry
- Electronics Assembly
- Advertising & Signage
- Hardware Manufacturing
- Construction Industry
- Solar PV Modules
- Elevator Systems

STANDARD DELIVERY SPECIFICATIONS

Thickness (mm)	Width (mm)	Length (m)
0.60	610	33

Note: Other dimensions (width, length) available upon consultation.

PHYSICAL PROPERTIES (REFERENCE VALUES)

ITEM	UNIT	VALUE	TEST STD.
Thickness	mm	0.60±0.04	GB/T7125
Peel Strength (180° to Steel, 20 min)	N/25m m	≥32	GB/T2792
Shear Holding Power (100 °C, 1 kg)	hr	≥72	GB/T4851
Temperature Resistance (Short-term)	°C	150	-
Temperature Resistance (Long-term)	°C	-40 to +120	-
Color	-	Black	-
Liner	-	Red	-

Shelf Life: 12 months from date of shipment when stored in original packaging at 4–30 °C and <50% relative humidity.

APPLICATION INSTRUCTIONS

- Surfaces must be clean, dry, and uniform. Use ethanol or isopropanol for cleaning.
- Ideal application temperature: 21–38 °C (70–100 °F). Avoid initial bonding below 10 °C.
- Apply sufficient pressure immediately after placement to maximize contact area and bond strength.

EXPANDED APPLICATION SCENARIOS

- Bonding interior trim panels and emblems on automotive exteriors/interiors
- Mounting display screens and touch panels onto electronic device frames
- Permanent fixture of aluminum/acrylic signs on storefront glass and walls
- Assembly of solar junction box mounts onto backsheet surfaces
- Attachment of operating panel overlays in elevator cabins

DETAILED PRODUCT DESCRIPTION

- Construction: Closed-cell acrylic foam core between two adhesive layers minimizes stress concentration.
- Adhesive Performance: Solvent-free acrylic offers fast wet-out and maintains elasticity under shear loads.
- Service Environment: Withstands prolonged exposure to temperatures ranging from -40 °C to +120 °C.
- Process Compatibility: Suitable for manual and automated die-cutting; red liner enables visual alignment.
- Quality Assurance: Formula exhibits minimal outgassing, meeting requirements for enclosed automotive/electronic spaces.

IMPORTANT NOTICE

All data provided herein are laboratory test results for reference purposes only and are not guaranteed specifications.

Product performance may vary depending on end-use conditions. The user is solely responsible for validating product suitability through comprehensive testing prior to full-scale adoption.

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