

Hiner-pack® SHWS Carrier 200 mm

*Safely protect and transport finished wafers
in full, thin, or ultra-thin thicknesses*

SHWS-8/1 Single wafer shipper with a square shaped design, suitable for an 8" (200mm) wafer, and comes with a hinged lid. Clamshell-style single wafer shippers are used for safe transportation, storage and handling of your wafers or substrates. Designed for both in-fab transfers and secure external shipping, these carriers firmly lock the wafers or substrates within the hoop ring, preventing unwanted movement and minimizing the risk of edge chipping or surface scratches. This stable holding mechanism ensures that wafers remain intact and contamination-free throughout every stage of semiconductor processing. This single wafer shipper is different from the traditional vacuum-formed single wafer shipper in that it is injection molded by a precision mold, which is more stable in structure and stronger in material, and can better protect highly sensitive and expensive wafers from mechanical damage during storage, transfer, or transportation.

SPECIFICATIONS

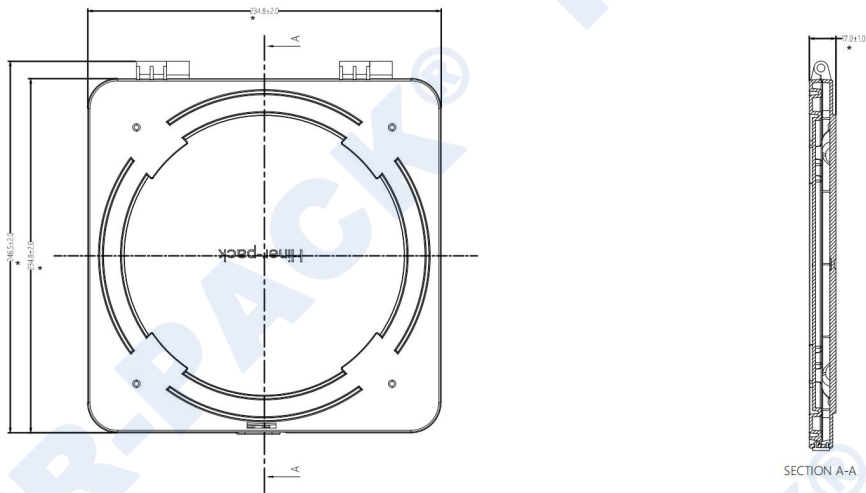
- 246.5 mm L × 234.8 mm W × 17 mm H (9.7" × 9.24" × 0.669")
- Maximum load capacity is 1 piece

FEATURES & BENEFITS

- Made of engineering-grade polymer polycarbonate (PC) for excellent impact strength and heat resistance
- Precision mold injection molding, stable structure
- Hoop, expander, or grip ring holds the wafer only by its edge
- Designed with secure locking systems to ensure the contents remain protected
- Durable and reusable



DIMENSION



BASIC INFORMATION

Part Number	Material	Wafer Size
SHWS-8/1	PC	200 mm

REFERENCE ILLUSTRATION



The above illustration is for reference only. Please refer to the actual product for accuracy.

TECHNICAL DATA

PROPERTY	TEST METHOD	RATED VALUES
Density	ASTM D-792	1.23 g/cm ³
Melt Index (280°C/5kg)	ASTM D-1238	31.0 g/10min
Shrinkage Percentage	ASTM D-955	0.5 %
Tensile Strength	ASTM D-638	650 kgf/cm ²
Tensile Elongation	ASTM D-638	4.0 %
Flexural Strength	ASTM D-790	1000 kgf/cm ²
Flexural Modulus	ASTM D-790	20000 kgf/cm ²
LZOD Notch Impact Strength (3.2mm)	ASTM D-256	10 kgf-cm/cm
Distortion Temperature (1.82MPa)	ASTM D-648	120 °C
Surface Resistivity	ASTM D-257	1.0×10 ⁷ Ω/sq

The information on technical data included in this document is based on our experience to date, and we believe it to be reliable. Data is obtained from specimens molded under controlled conditions from representative samples of the compound described. Properties may be affected by the molding techniques and by the size and shape of the item molded. We cannot guarantee favorable results and no assurances can be implied that all molded articles have the sample properties as those listed.



Hiner-pack®

Corporate Headquarters

Bldg A11, Zone D, West Industrial Zone,
Minzhu Comm., Shajing St., Bao'an,
Shenzhen, Guangdong, China

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Customer Service

Tel +86 755 2322 9236
Fax +86 755 2996 0455
Work Time 08:00 - 18:00 (Beijing Time/UTC+8)

www.waferboxes.com