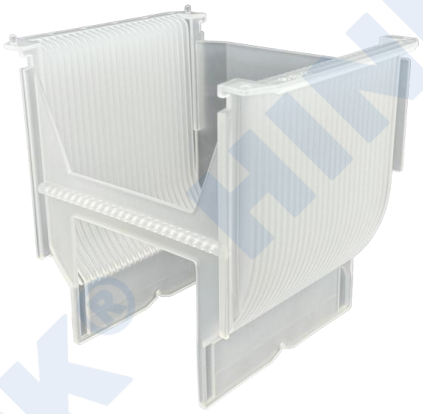
Hiner-pack® MCS-PP Cassette 150 mm

High-quality cassette for reliable wafer handling in semiconductor production lines



Designed for semiconductor manufacturing, wafer cassettes—also known as wafer boats—enable secure transport and clean storage of multiple wafers between process steps. They are designed to hold wafers of uniform size, compatible with automation equipment and cassette-standard tools, supporting both automated and manual handling. Manufactured from polypropylene, they are available in natural or conductive materials to meet application-specific needs. These cassettes enhance wafer access, reduce contamination risk, and ensure smooth fab operation. Pairing them with a wafer storage box further increases wafer safety during transport and storage in cleanroom environments.

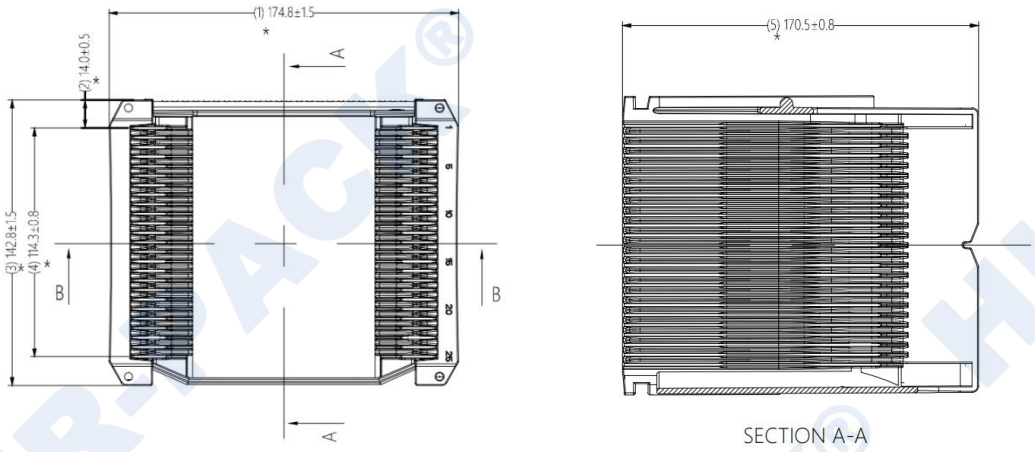
SPECIFICATIONS

- 174.8 mm L × 142.8 mm W × 170.5 mm H (6.88" × 5.62" × 6.71")
- Maximum load capacity is 25 pieces

FEATURES & BENEFITS

- Lightweight PP construction ideal for in-fab transfer
- Compatible with automation and cassette-standard tools
- Available in multiple colors to facilitate process identification
- Available in multiple materials to cope with different requirements for chemical resistance
- Moderate temperature resistance material

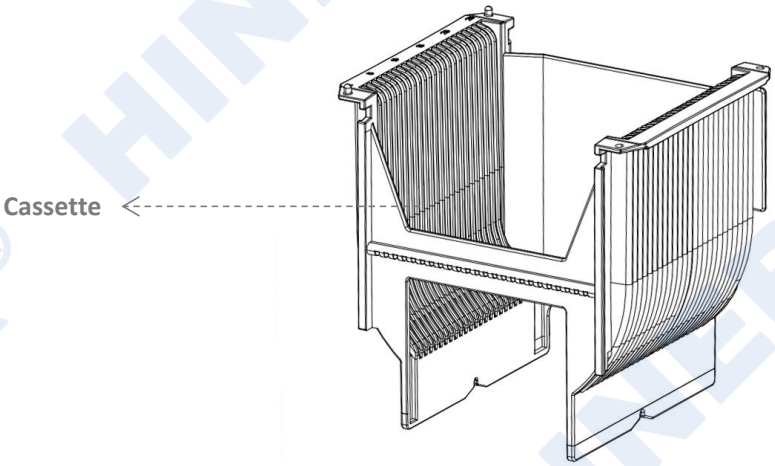
DIMENSION



BASIC INFORMATION

Part Number	Material	Wafer Size
MCS-6/25-NP-B	PP	150 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	ISO 1183	0.9 g/cm³
Melt Index	ISO 1133	15 g/10min
Melting Point	DSC	146°C
Distortion Temperature	ISO 75	95°C
Vicat softening temperature	ISO 306	125°C
Tensile Strength at Yield	ISO 527	280 kg/m²
Tensile Elongation at Break	ISO 527	300 %
Rockwell hardness R scale	ISO 2039	98
Tensile Strain at Break	ISO 527-2 (50mm/min)	10 %
Flexural Modulus	ISO 178	10500 kg/m²
Flow Shrinkage	FPC Method	1.3~1.7 %
LZOD Impact Strength	ISO 180 23°C	6 kg.cm/cm
	ISO 180 -20°C	--- notch

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®

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