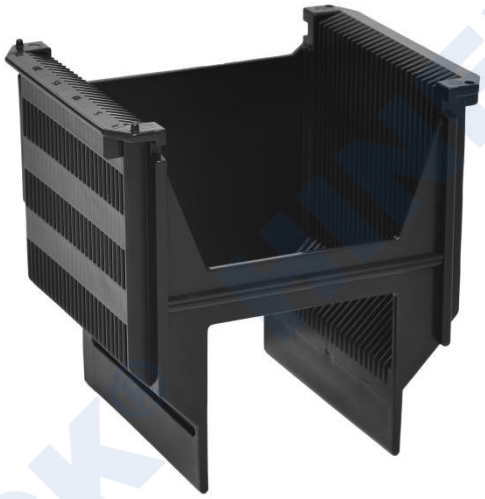
# Hiner-pack® MCS-PP Cassette 150 mm

*Maintains wafer stability through transport, inspection, and fabrication stages*



Engineered for semiconductor wafer handling, wafer cassettes—sometimes referred to as wafer boats—are used for in-fab wafer transfer and temporary storage. Designed to accommodate wafers of consistent size, they are molded from high-grade polypropylene for strength and thermal resistance. Available in natural or conductive material, these cassettes integrate seamlessly with automated wafer processing equipment, ensuring precise alignment, contamination control, and operational reliability. Commonly used in general wafer handling, they can be paired with wafer storage boxes to maximize wafer protection during movement.

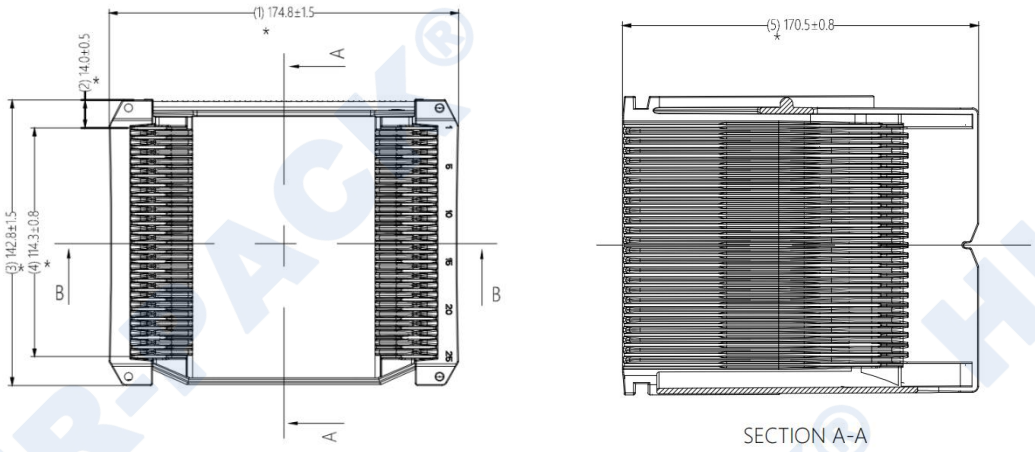
## SPECIFICATIONS

- 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

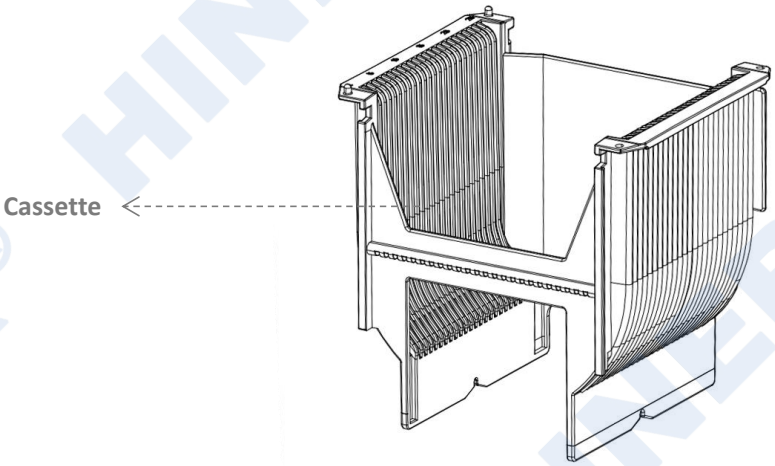
## DIMENSION




## BASIC INFORMATION

| Part Number | Material | Wafer Size |
|---|---|---|
| MCS-6/25-BL-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 1183-1 (23°C) | 1.0 g/cm³ |
| Melt Index (350°C/5kg) | ASTM D–1238 | 15.0 g/10min |
| Shrinkage Percentage | ISO 2577 | 1.2~1.6 % |
| Tensile Strength | ISO 527-2 (50mm/min) | 25 MPa |
| Tensile Strain at Break | ISO 527-2 (50mm/min) | 10 % |
| Flexural Strength (Fracture) | ISO 178 (2mm/min) | 27 MPa |
| Flexural Modulus | ISO 178 (2mm/min) | 1150 MPa |
| LZOD Notch Impact Strength (3.2mm) | ISO 180 (23°C) | 30 kJ/m² |
| Surface Resistivity | ASTM D–257 | $1.0\times10^{4}$~$1.0\times10^{9}$ Ω/sq |
| Flame Retardant Rating | UL 94 | HB Class |

*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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