



## MASK AND RETICLE HANDLING PRODUCTS

*A broad array of products for various mask and reticle sizes and styles*



# Table of Contents

**Mask Packages** ..... 2  
     H68 Series and H91 Series ..... 2  
     H60 Series and H67 Series ..... 3  
     H92 Series ..... 4  
     B80 Series ..... 6  
**Mask Carriers and Shipping Boxes** ..... 10  
     A189 Series ..... 10  
     E Series ..... 11  
**Miscellaneous Mask Carriers** ..... 12

## Lead Times and Minimum Order Quantities

Extended lead times and minimum order quantities apply on many of the products shown. For more information contact your local Entegris representative or Entegris, Inc.

## For More Information

To find out more about what Entegris can do for you, please call one of our Regional Customer Service Centers today.

### Entegris Regional Customer Service Centers

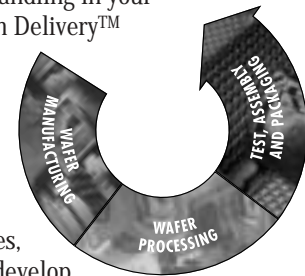
	Telephone	Fax
North America	952-556-4181	952-556-8022
North America Toll Free	800-394-4083	800-763-5820
Europe	49-7264-9158-0	49-7264-9158-927
Japan	81-3-5769-7800	81-3-5769-7845
Malaysia	604-403-1266	604-403-1262
Korea	82-31-738-1181	82-31-738-1191
Taiwan	886-3-5633598 886-3-5633552	886-3-5633521

## Terms and Conditions of Sale

All purchases are subject to Entegris' "Terms and Conditions of Sale."

## Silicon Delivery™ Systems and Services

To optimize wafer and device handling in your facilities, Entegris offers Silicon Delivery™ Systems and Services – our unique materials integrity management solution to cost-effectively manage silicon from production to consumption. Utilizing our systems and services capabilities, Entegris will work with you to develop a customized, coordinated package to address your individual requirements.



### Wafer Handling Systems

- Raw wafer processing and shipping
- Wafer processing
- Finished wafer shipping and handling
- Related product handling
- Handling product cleaning systems

### Device Handling Systems

- Finished wafer shipping and handling
- Bare die shipping and handling
- Packaged device shipping and handling
- Handling product cleaning systems

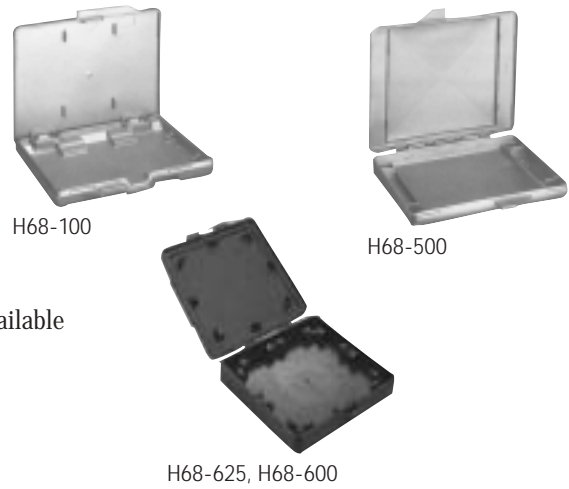
### WaferCare™ and DeviceCare™ Services

- Certified reuse and recycle
- Product cleaning
- Logistics management
- On-site and off-site programs

# Mask Packages

## H68 Series

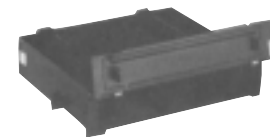
- For masks or reticles with pellicles
- Minimal contact
- Easy to open and close
- Easy removal
- Seal securely for protection
- Compact and stackable
- Roller hinge minimizes particle generation
- Optional latch security clip available



Mask Size	Overall Size	Notes	Material	Part Number
152 mm sq. × 6.4 mm (6.0" sq. × 0.25") or 127 mm sq. × 2.3 mm (5.0" sq. × 0.09")	208 mm sq. 36 mm (8.2" sq. × 1.4")	<ul style="list-style-type: none"> <li>• Space available for identification labels</li> <li>• Landing pads prevent tearing of pellicles</li> <li>• Label wall for identification labels</li> </ul>	STAT-PRO® 125 STAT-PRO® 125	H68-625-509-67C02 H68-03-67C02 clip
127 mm sq. × 2.3 mm (5.0" sq. × 0.09") or 152 mm sq. × 3.1 mm (6.0" sq. × 0.12")	208 mm sq. 36 mm (8.2" sq. × 1.4")	<ul style="list-style-type: none"> <li>• Space available for identification labels</li> <li>• Landing pads prevent tearing of pellicles</li> <li>• Label wall for identification labels</li> <li>• Robotic compatible latch</li> </ul>	STAT-PRO® 125 STAT-PRO® 125	H68-600-67C02 H68-03-67C02 clip
127 mm sq. × 2.3 mm (5.0" sq. × 0.09")	167 mm × 157 mm × 29 mm (6.6" × 6.2" × 1.1")	<ul style="list-style-type: none"> <li>• Holds 5X reticles with pellicles on both sides, including most Nikon, GCA, ASM and Canon</li> </ul>	STAT-PRO® 125 STAT-PRO® 125	H68-500-67C02 H68-03-67C02 clip
27 mm × 76 mm × 2.3 mm (3.0" × 5.0" × 0.09")	145 mm × 115 mm × 17 mm (5.7" × 4.5" × .67")	<ul style="list-style-type: none"> <li>• Holds 1X reticles with pellicles on both sides and guides, including all types of Ultratech reticles</li> <li>• Rounded guides minimize damage</li> </ul>	STAT-PRO® 125 STAT-PRO® 125	H68-100-67C02 H68-03-67C02 clip

## H91 Series

- For masks or reticles with pellicles
- End-loading door easy to open and close
- Seal securely for protection
- Compatible with GCA steppers
- Stackable
- Top flips for easy cleaning
- Available precleaned at an additional price



H91-101

Mask Size	Overall Size	Notes	Material	Part Number
127 mm sq. × 2.3 mm (5.0" sq. × 0.09")	152 mm × 180 mm × 37 mm (6.0" × 7.1" × 1.5")	<ul style="list-style-type: none"> <li>• Holds reticle with 4.3 mm sq. (0.17") pellicle, 10 mm (0.4") standoff</li> </ul>	Transparent polysulfone STAT-PRO® 500	H91-101-0913 H91-101-66C02

## H60 and H67 Series

- Holds one mask or reticle
- Manufactured and packaged in a cleanroom environment
- Bagged and sealed in a cleanroom bag and heat sealed in a second polyethylene bag
- Living hinge
- Compact and stackable
- Dust-proof



Style A



Style B

Mask Size	Overall Size	Notes	Material	Part Number
152 mm sq. × 2.3 mm (6.0" sq. × 0.09")	162 mm sq. × 19 mm (6.4" sq. × 0.8")	• Style A	Natural polypropylene STAT-PRO® 125	H60-60-09-0615 H60-60-09-67C02
152 mm sq. × 3.00 mm (6.0" sq. × 0.12")	162 mm sq. × 19 mm (6.4" sq. × 0.8")	• Style A	Natural polypropylene STAT-PRO® 125	H60-60-12-0615 H60-60-12-67C02
152 mm sq. × 3.8 mm (6.0" sq. × 0.15")	162 mm sq. × 14 mm (6.4" sq. × 0.5")	• Style A	Natural polypropylene STAT-PRO® 125	H60-60-15-0615 H60-60-15-67C02
127 mm sq. or 152 mm sq. × 3.01 mm (5.0" sq. or 6.0" sq. × 0.12")	193 mm sq. × 28 mm (7.6" sq. × 1.1")	• Style B	Natural polypropylene STAT-PRO® 300 STAT-PRO® 125	H60-60-0615 H60-60-63A09 H60-60-67C02
127 mm sq. × 2.3 mm (5.0" sq. × 0.09")	142 mm sq. × 15 mm (5.6" sq. × 0.6")	• Style A	Natural polypropylene STAT-PRO® 300 STAT-PRO® 125	H60-51-0615 H60-51-63A09 H60-51-67C02
127 mm sq. × 2.3 mm (5.0" sq. × 0.09")	142 mm sq. × 15 mm (5.6" sq. × 0.6")	• Style A	Natural polypropylene STAT-PRO® 300 STAT-PRO® 125	H60-50-0615 H60-50-63A09 H60-50-67C02
127 mm × 76 mm × 2.3 mm (5.0" × 3.0" × 0.09")	191 mm × 160 mm × 15 mm (7.5" × 6.3" × 1.1")	• Style B • For pellicle: <i>top</i> 3.2 mm (0.13") thick, <i>bottom</i> 6.4 mm (0.25") thick • For wide field reticle	Natural polypropylene	H67-01E-0615
102 mm × 127 mm × 1.5 mm (4.0" × 5.0" × 0.06") or 102 mm sq. × 1.5 mm (4.0" sq. × 0.06") or 95 mm × 114 mm × 1.5 mm (3.75" × 4.5" × 0.06")	132 mm sq. × 25 mm (5.2" sq. × 1.0")	• Style B • For 102 mm × 127 mm (4" × 5") plate trim the longest four fingers	Natural polypropylene	H60-45-0615
114 mm sq. × 1.5 mm (4.5" sq. × 0.06")	124 mm sq. × 14 mm (4.9" sq. × 0.6")	• Style A	Natural polypropylene	H60-45-06-0615

# Mask Packages (continued)

Mask Size	Overall Size	Notes	Material	Part Number
102 mm sq. × 1.52 mm (4.0" sq. × 0.06")	117 mm sq. × 14 mm (4.6" sq. × 0.5")	• Style A	Natural polypropylene STAT-PRO® 125	H60-40-06-0615 H60-40-06-67C02
102 mm sq. × 2.3 mm (4.0" sq. × 0.09")	117 mm sq. × 14 mm (4.6" sq. × 0.5")	• Style A	Natural polypropylene STAT-PRO® 125	H60-40-09-0615 H60-40-09-67C02
76 mm sq. × 1.52 mm (3.0" sq. × 0.06") or 89 mm sq. × 1.52 mm (3.5" sq. × 0.06")	117 mm sq. × 20 mm (4.6" sq. × 0.8")	• Style B	Natural polypropylene	H60-3035-0615
64 mm sq. × 1.52 mm (2.5" sq. × 0.06")	96 mm × 71 mm × 18 mm (3.8" × 2.8" × 0.7")	• Style B	Natural polypropylene	H60-25-0615

## H92 Series

- Provide excellent security for masks or reticles with pellicles
- High impact resistance
- Stackable
- Easy to open and close
- Seal securely to provide a protective environment inside
- Label wall for identification label
- Additional materials and packages may be available on a special order basis



### Mask Size: 178 mm sq. (7" sq.)

- Also holds 184.5 mm dia. with 177.8 mm flat (7.25" dia. with 7" flat)

Mask Thickness	Overall Size (L x W x H)	Space for Pellicles	Component Numbers	Material	Part Number
3.1 mm (0.12")	226 mm x 211 mm x 24 mm (8.9" x 8.3" x 1.0")	None	H92-7012L H92-7001W	Clear polycarbonate	H92-7012-106-1116
3.1 mm (0.12")	226 mm x 211 mm x 43 mm (8.9" x 8.3" x 1.7")	Double	H92-7012PL H92-7001PW	Clear polycarbonate	H92-7012-108-1116
3.8 mm (0.15")	226 mm x 211 mm x 24 mm (8.9" x 8.3" x 1.0")	None	H92-7015L H92-7001W	Clear polycarbonate Clear Bayon™	H92-7015-106-1116 H92-7015-106-5413
3.8 mm (0.15")	226 mm x 211 mm x 43 mm (8.9" x 8.3" x 1.7")	Double	H92-7015PL H92-7001PW	Clear polycarbonate Clear Bayon™	H92-7015-108-1116 H92-7015-108-5413
6.4 mm (0.25")	226 mm x 211 mm x 24 mm (8.9" x 8.3" x 1.0")	None	H92-7025L H92-7001W	Clear polycarbonate	H92-7025-106-1116
6.4 mm (0.25")	226 mm x 211 mm x 43 mm (8.9" x 8.3" x 1.7")	Double	H92-7025PL H92-7001PW	Clear polycarbonate	H92-7025-108-1116

**Mask Size: 152 mm sq. (6" sq.)**

Mask Thickness	Overall Size (L x W x H)	Space for Pellicles	Component Numbers	Material	Part Number
2.3 mm (0.09")	191 mm x 179 mm x 22 mm (7.5" x 7.1" x 0.9")	None	H92-6009L H92-6001W	Clear polycarbonate Clear Bayon™	H92-6009-106-1116 H92-6009-106-5413
3.1 mm (0.12")	191 mm x 179 mm x 22 mm (7.5" x 7.1" x 0.9")	None	H92-6012L H92-6001W	Clear polycarbonate	H92-6012-106-1116
3.1 mm (0.12")	191 mm x 179 mm x 41 mm (7.5" x 7.1" x 1.6")	Double	H92-6012PL H92-6001PW	Clear polycarbonate	H92-6012-108-1116
3.8 mm (0.15")	191 mm x 179 mm x 22 mm (7.5" x 7.1" x 0.9")	None	H92-6015L H92-6001W	Clear Bayon™	H92-6015-106-5413
6.4 mm (0.25")	191 mm x 179 mm x 22 mm (7.5" x 7.1" x 0.9")	None	H92-6025L H92-6001W	Clear polycarbonate	H92-6025-106-1116
6.4 mm (0.25")	191 mm x 179 mm x 41 mm (7.5" x 7.1" x 1.6")	Double	H92-6025PL H92-6001PW	Clear polycarbonate Clear Bayon™	H92-6025-108-1116 H92-6025-108-5413

**Mask Size: 127 mm sq. (5" sq.)**

Mask Thickness	Overall Size (L x W x H)	Space for Pellicles	Component Numbers	Material	Part Number
2.3 mm (0.09")	162 mm x 152 mm x 20 mm (6.4" x 6.0" x 0.8")	None	H92-5009L H92-5001W	Clear polycarbonate Clear Bayon™	H92-5009-106-1116 H92-5009-106-5413
2.3 mm (0.09")	162 mm x 152 mm x 38 mm (6.4" x 6.0" x 1.5")	Double	H92-5009PL H92-5001PW	Clear polycarbonate Clear Bayon™	H92-5009-108-1116 H92-5009-108-5413
2.3 mm (0.09")	191 mm x 179 mm x 41 mm (7.5" x 7.1" x 1.6")	Double	H92-6509PL H92-6501PW	Clear polycarbonate Clear Bayon™	H92-5091-108-1116 H92-5091-108-5413
3.1 mm (0.12")	162 mm x 152 mm x 20 mm (6.4" x 6.0" x .8")	None	H92-5012L H92-5001W	Clear polycarbonate	H92-5012-106-1116
3.1 mm (0.12")	162 mm x 152 mm x 38 mm (6.4" x 6.0" x 1.5")	Double	H92-5012PL H92-5001PW	Clear polycarbonate	H92-5012-108-1116

# Mask Packages (continued)

## B80 Series

- Provide excellent security for masks and reticles with pellicles
- High impact resistance
- Stackable
- Easy to open and close
- Seal securely to provide a protective environment inside
- Additional materials and packages may be available on a special order basis



### Mask Size: 203 mm sq. (8" sq.)

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
2.3 mm (0.09")	236 mm x 249 mm x 25 mm (9.3" x 9.8" x 1.0")	None	No	B80-80-09 B80-80-01	Clear polycarbonate	B8080-0100
3.1 mm (0.12")	236 mm x 249 mm x 25 mm (9.3" x 9.8" x 1.0")	None	No	B80-80-12 B80-80-01	Clear polycarbonate	B8080-0200

### Mask Size: 178 mm sq. (7" sq.)

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
3.1 mm (0.12")	234 mm x 246 mm x 25 mm (9.2" x 9.7" x 1.0")	None	No	B80-70-12 B80-70-01	Clear polycarbonate	B8070-0300
3.1 mm (0.12")	234 mm x 246 mm x 25 mm (9.2" x 9.7" x 1.0")	None	No	B80-70-12 B80-70-01	Amber antistatic ABS	B8070-0311
3.8 mm (0.15")	234 mm x 246 mm x 25 mm (9.2" x 9.7" x 1.0")	None	No	B80-70-15 B80-70-01	Clear polycarbonate	B8070-0100
3.8 mm (0.15")	234 mm x 246 mm x 25 mm (9.2" x 9.7" x 1.0")	None	No	B80-70-15 B80-70-01	Clear Bayon™	B8070-0104
3.8 mm (0.15")	234 mm x 246 mm x 25 mm (9.2" x 9.7" x 1.0")	None	No	B80-70-15 B80-70-01	Amber antistatic ABS	B8070-0111
6.4 mm (0.25")	234 mm x 246 mm x 25 mm (9.2" x 9.7" x 1.0")	None	No	B80-70-25 B80-70-01	Clear polycarbonate	B8070-0200

**Mask Size: 152 mm sq. (6" sq.)**

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
2.3 mm (0.09")	185 mm x 180 mm x 23 mm (7.3" x 7.1" x 0.9")	None	Yes	B80-60-09 B80-60-01A	Clear polycarbonate	B8060-0600
2.3 mm (0.09")	185 mm x 180 mm x 23 mm (7.3" x 7.1" x 0.9")	None	Yes	B80-60-09 B80-60-01A	Amber antistatic ABS	B8060-0611
2.3 mm (0.09")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Double	Yes	B80-60P-09 B80-60P-01A	Amber antistatic ABS	B8060-2011
3.1 mm (0.12")	185 mm x 180 mm x 23 mm (7.3" x 7.1" x 0.9")	None	Yes	B80-60-12 B80-60-01A	Clear polycarbonate	B8060-0700
3.1 mm (0.12")	185 mm x 180 mm x 23 mm (7.3" x 7.1" x 0.9")	None	Yes	B80-60-12 B80-60-01A	Amber antistatic ABS	B8060-0703
3.1 mm (0.12")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Double	Yes	B80-60P-12 B80-60P-01A	Clear polycarbonate	B8060-1900
3.1 mm (0.12")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Double	Yes	B80-60P-12 B80-60P-01A	Amber antistatic ABS	B8060-1911
6.4 mm (0.25")	185 mm x 180 mm x 23 mm (7.3" x 7.1" x 0.9")	None	Yes	B80-60-25 B80-60-02A	Clear polycarbonate	B8060-1100
6.4 mm (0.25")	185 mm x 180 mm x 23 mm (7.3" x 7.1" x 0.9")	None	Yes	B80-60-25 B80-60-02A	Amber antistatic ABS	B8060-1111
6.4 mm (0.25")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Double	Yes	B80-60P-25 B80-60P-02A	Clear polycarbonate	B8060-2200
6.4 mm (0.25")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Double	Yes	B80-60P-25 B80-60P-02A	Amber antistatic ABS	B8060-2211



# Mask Packages (continued)

## Mask Size: 127 mm Sq. (5" sq.)

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-50-09 B80-50-01A	Clear polycarbonate	B7950-0100
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-50-09 B80-50-01A	Clear polycarbonate	B8050-0600
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-50-09 B80-50-01A	Amber antistatic ABS	B8050-0611
2.3 mm (0.09")	160 mm x 157 mm x 38 mm (6.3" x 6.2" x 1.5")	Double	Yes	B80-50P-09 B80-50P-01A	Clear polycarbonate	B8050-1600
2.3 mm (0.09")	160 mm x 157 mm x 38 mm (6.3" x 6.2" x 1.5")	Double	Yes	B80-50P-09 B80-50P-01A	Amber antistatic ABS	B8050-1611
2.3 mm (0.09")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Large 5" double	Yes	B80-6SP-09 B80-6SP-01A	Clear polycarbonate	B8060-2400
2.3 mm (0.09")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Large 5" double	Yes	B80-6SP-09 B80-6SP-01A	Clear Bayon™	B8060-2403
2.3 mm (0.09")	185 mm x 180 mm x 41 mm (7.3" x 7.1" x 1.6")	Large 5" double	Yes	B80-6SP-09 B80-6SP-01A	Amber antistatic ABS	B-8060-2411

## Mask Size: 102 mm sq. (4" sq.)

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
1.5 mm (0.06")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-40-06 B80-40-01A	Clear polycarbonate	B8040-0400
1.5 mm (0.06")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-40-06 B80-40-01A	Amber antistatic ABS	B8040-0411
1.5 mm (0.06")	160 mm x 157 mm x 38 mm (6.3" x 6.2" x 1.5")	Double	Yes	B80-40P-06 B80-40P-01A	Amber antistatic ABS	B8040-0811
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-40-09 B80-40-01A	Clear polycarbonate	B8040-0500
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-40-09 B80-40-01A	Amber antistatic ABS	B8040-0511
2.3 mm (0.09")	160 mm x 157 mm x 38 mm (6.3" x 6.2" x 1.5")	Double	Yes	B80-40P-09 B80-40P-01A	Amber antistatic ABS	B8040-0711

**Mask Size: 76 mm x 127 mm (3" x 5")**

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-35-09 B80-35-01A	Clear polycarbonate	B8035-0200
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-35-09 B80-35-01A	Clear Bayon™	B8035-0204
2.3 mm (0.09")	160 mm x 157 mm x 20 mm (6.3" x 6.2" x 0.8")	None	Yes	B80-35-09 B80-35-01A	Amber antistatic ABS	B8035-0211

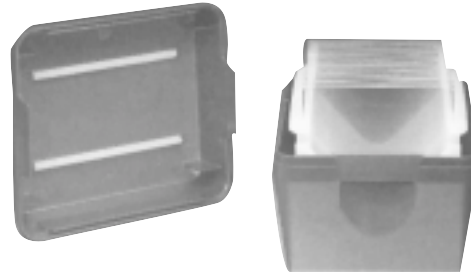
**Mask Size: 76 mm sq. (3" sq.)**

Mask Thickness	Overall Size	Space for Pellicle	Label Wall	Component Numbers	Material	Part Number
1.5 mm (0.06")	135 mm x 127 mm x 20 mm (5.3" x 5.0" x 0.8")	None	Yes	B80-30-06 B80-30-01A	Clear polycarbonate	B8030-0200
1.5 mm (0.06")	135 mm x 127 mm x 20 mm (5.3" x 5.0" x 0.8")	None	Yes	B80-30-06 B80-30-01A	Amber antistatic ABS	B8030-0211

# Mask Carriers and Shipping Boxes

## A189 Series

- For masks or reticles
- Fluoroelastomer cushions on the inside of the cover included with ABS shipping box assembly
- Carriers, boxes, and handles purchased separately



Mask Size	Capacity	Pocket Spacing	Pocket Flat	Carrier Overall Size	Box Overall Size	Material	Part Number
178 mm sq. (7.0" sq.)	10	13 mm (0.5")	4.2 mm (0.17")	157 mm × 201 mm × 163 mm (6.2" × 7.9" × 6.4")	208 mm × 234 mm × 206 mm (8.2" × 9.2" × 8.1")	High density polyethylene Blue ABS PVDF	A189-70-15-0715 carrier E94-70-101-1403 box A058-70-0515 handle
152 mm sq. (6.0" sq.)	10	13 mm (0.5")	4.2 mm (0.17")	157 mm × 175 mm × 137 mm (6.2" × 6.9" × 5.4")	208 mm × 211 mm × 180 mm (8.2" × 8.3" × 7.1")	High density polyethylene Blue ABS PVDF	A189-60-15-0715 carrier E94-60-101-1403 box A058-60-0515 handle
152 mm sq. (6.0" sq.)	10	13 mm (0.5")	6.7 mm (0.27")	157 mm × 175 mm × 137 mm (6.2" × 6.9" × 5.4")	208 mm × 211 mm × 180 mm (8.2" × 8.3" × 7.1")	High density polyethylene Blue ABS PVDF	A189-60-25-0715 carrier E94-60-101-1403 box A058-60-0515 handle
127 mm sq. (5.0" sq.)	20	6.4 mm (0.25")	3.4 mm (0.14")	157 mm × 147 mm × 112 mm (6.2" × 5.8" × 4.4")	196 mm × 173 mm × 155 mm (7.7" × 6.8" × 6.1")	High density polyethylene Blue ABS PVDF	A189-50-12-0715 carrier E94-50-101-1403 box A058-50-0515 handle
114 mm sq. (4.5" sq.)	20	6.4 mm (0.25")	3.1 mm (0.12")	157 mm × 135 mm × 112 mm (6.2" × 5.3" × 4.4")	196 mm × 173 mm × 155 mm (7.7" × 6.8" × 6.1")	High density polyethylene Blue ABS PVDF	A189-45-12-0715 carrier E94-45-101-1403 box A058-45-0515 handle
102 mm sq. (4.0" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	157 mm × 124 mm × 81 mm (6.2" × 4.9" × 3.2")	196 mm × 145 mm × 124 mm (7.7" × 5.7" × 4.9")	High density polyethylene Blue ABS PVDF	A189-40-09-0715 carrier E94-40-101-1403 box A058-40-0515 handle
89 mm sq. (3.5" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	157 mm × 112 mm × 81 mm (6.2" × 4.4" × 3.2")		High density polyethylene PVDF	A189-35-09-0715 carrier A058-35-0515 handle
76 mm sq. (3.0" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	157 mm × 99 mm × 81 mm (6.2" × 3.9" × 3.2")	196 mm × 145 mm × 112 mm (7.7" × 5.7" × 4.4")	High density polyethylene Blue ABS PVDF	A189-30-09-0715 carrier E94-30-101-1403 box A058-30-0515 handle
64 mm sq. (2.5" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	157 mm × 89 mm × 56 mm (6.2" × 3.5" × 2.2")	196 mm × 119 mm × 86 mm (7.7" × 4.7" × 3.4")	High density polyethylene Blue ABS PVDF	A189-25-09-0715 carrier E94-25-101-1403 box A058-25-0515 handle
51 mm sq. (2.0" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	157 mm × 74 mm × 56 mm (6.2" × 2.9" × 2.2")		High density polyethylene PVDF	A189-20-09-0715 carrier A058-20-0515 handle

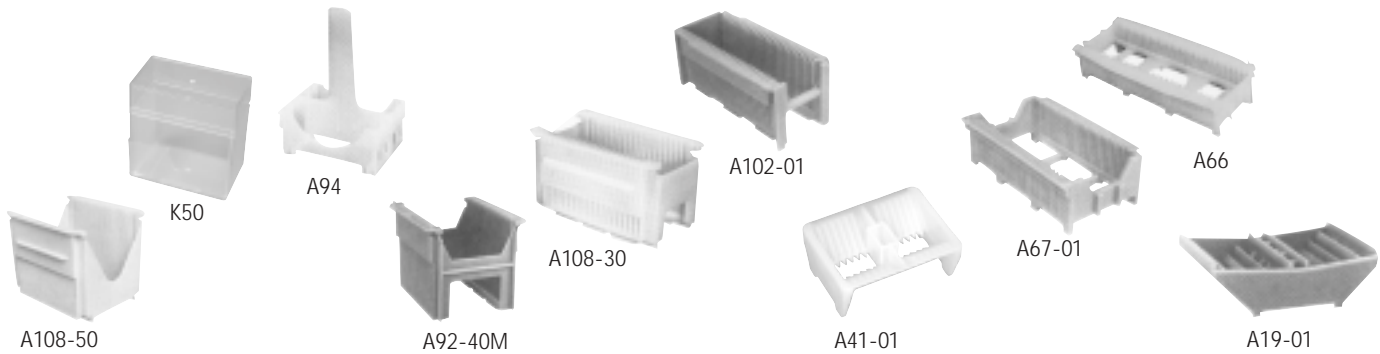
## E Series

- For masks or reticles
- Carriers and boxes purchased as an assembly



Mask Size	Capacity	Pocket Spacing	Pocket Flat	Carrier Overall Size	Box Overall Size	Carrier Material	Box Material	Part Number
51 mm sq. (2.0" sq.)	30	6.7 mm (0.26")	2.5 mm (0.10")	222 mm x 59 mm x 51 mm (8.8" x 2.3" x 2.0")	257 mm x 89 mm x 93 mm (10.1" x 3.5" x 3.6")	High density polyethylene	Medium impact polystyrene	E05-0002 assembly
64 mm sq. (2.5" sq.)	30	6.7 mm (0.26")	2.5 mm (0.10")	222 mm x 71 mm x 67 mm (8.8" x 2.8" x 2.6")	257 mm x 89 mm x 93 mm (10.1" x 3.5" x 3.6")	Polypropylene	Medium impact polystyrene	E05-0001 assembly
76 mm sq. (3.0" sq.)	30	6.7 mm (0.26")	2.5 mm (0.10")	222 mm x 84 mm x 73 mm (8.8" x 3.3" x 2.9")	256 mm x 116 mm x 117 mm (10.0" x 4.6" x 4.6")	Polypropylene	Medium impact polystyrene	E01-0001 assembly
76 mm sq. (3.0" sq.)	30	6.7 mm (0.26")	2.5 mm (0.10")	222 mm x 84 mm x 73 mm (8.8" x 3.3" x 2.9")	256 mm x 116 mm x 117.2 mm (10.0" x 4.6" x 4.6")	High density polyethylene	Medium impact polystyrene	E01-0003 assembly
102 mm sq. (4.0" sq.)	30	6.7 mm (0.26")	2.5 mm (0.10")	225 mm x 113 mm x 89 mm (8.9" x 4.5" x 3.5")	257 mm x 133.4 mm x 127 mm (10.1" x 5.3" x 5.0")	High density polyethylene	Medium impact polystyrene	E09-0002 assembly
102 mm sq. (4.0" sq.)	30	6.7 mm (0.26")	2.5 mm (0.10")	225 mm x 113 mm x 89 mm (8.9" x 4.5" x 3.5")	257 mm x 133.4 mm x 126.8 mm (10.1" x 5.3" x 5.0")	Polypropylene	Medium impact polystyrene	E09-0003 assembly
127 mm sq. (5.0" sq.)	20	6.4 mm (0.25")	3.8 mm (0.15")	174 mm x 149 mm x 101 mm (6.8" x 5.9" x 4.0")	218 mm x 181 mm x 157 mm (8.6" x 7.1" x 6.2")	Polypropylene	Medium impact polystyrene	E55-0001 assembly
127 mm sq. (5.0" sq.)	20	6.4 mm (0.25")	3.2 mm (0.13")	174 mm x 149 mm x 101 mm (6.8" x 5.9" x 4.0")	218 mm x 181 mm x 157 mm (8.6" x 7.1" x 6.2")	High density polyethylene	Medium impact polystyrene	E55-0003 assembly
152 mm sq. (6.0" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	174 mm x 175 mm x 123 mm (6.8" x 6.9" x 4.8")	218 mm x 206 mm x 183 mm (8.6" x 8.1" x 7.2")	Polypropylene	Medium impact polystyrene	E56-0002 assembly
152 mm sq. (6.0" sq.)	20	6.4 mm (0.25")	2.5 mm (0.10")	174 mm x 175 mm x 123 mm (6.8" x 6.9" x 4.8")	218 mm x 206 mm x 183 mm (8.6" x 8.1" x 7.2")	High density polyethylene	Medium impact polystyrene	E56-0004 assembly
152 mm sq. (6.0" sq.)	20	6.4 mm (0.25")	3.8 mm (0.15")	174 mm x 175 mm x 123 mm (6.8" x 6.9" x 4.8")	218 mm x 206 mm x 183 mm (8.6" x 8.1" x 7.2")	High density polyethylene	Medium impact polystyrene	E56-0005 assembly
152 mm sq. (6.0" sq.)	20	6.4 mm (0.25")	3.8 mm (0.15")	174 mm x 175 mm x 123 mm (6.8" x 6.9" x 4.8")	218 mm x 206 mm x 183 mm (8.6" x 8.1" x 7.2")	Polypropylene	Medium impact polystyrene	E56-0006 assembly

# Miscellaneous Mask Carriers



Mask Size	Capacity	Pocket Spacing	Pocket Flat	Handle	Overall Size	Notes	Material	Part Number
127 mm sq. (5.0" sq.)	20	6.4 mm (0.25")	3.2 mm (0.13")	A047-0215, A72-50-03-0215	159 mm × 149 mm × 15 mm (6.3" × 5.9" × 5.7")	<ul style="list-style-type: none"> <li>Automation compatible</li> <li>Wash openings</li> </ul>	PFA	A108-50-0215
127 mm sq. (5.0" sq.)	11	5.1 mm (0.20")	2.8 mm (0.11")	—	136 mm × 83 mm × 138 mm (5.3" × 3.3" × 5.5")	<ul style="list-style-type: none"> <li>Pockets molded into box sides</li> </ul>	Clear Bayon™	K50-0003
127 mm sq. (5.0" sq.)	11	5.1 mm (0.20")	2.8 mm (0.11")	—	136 mm × 83 mm × 138 mm (5.3" × 3.3" × 5.5")	<ul style="list-style-type: none"> <li>Pockets molded into box sides</li> </ul>	Amber antistatic ABS	K50-0001
127 mm sq. (5.0" sq.)	4	19.1 mm (0.75")	4.6 mm (0.18")	Integral	137 mm × 89 mm × 191 mm (5.4" × 3.5" × 7.5")		PFA	A94-0215
102 mm sq. (4.0" sq.)	20	5.8 mm (0.23")	3.1 mm (0.12")	A72-40-03 A72-40-06	143 mm × 122 mm × 114 mm (5.6" × 4.8" × 4.5")	<ul style="list-style-type: none"> <li>Fits 100 mm storage boxes</li> <li>Wash openings</li> </ul>	ECTFE	A92-40M-0415
76 mm sq. (3.0" sq.)	20	6.4 mm (0.25")	3.2 mm (0.13")	—	159 mm × 98 mm × 99 mm (6.3" × 3.9" × 3.9")	<ul style="list-style-type: none"> <li>Automation compatible</li> <li>Wash openings</li> <li>Compatible box: E94-40-101-1403</li> </ul>	PFA	A108-30-0215
51 mm sq. (2.0" sq.)	25	4.8 mm (0.19")	1.0 mm (0.04")	—	142 mm × 69 mm × 64 mm (5.6" × 2.7" × 2.5")	<ul style="list-style-type: none"> <li>Automation compatible</li> </ul>	ETFE Blue polypropylene	A102-01-0315 A102-01-0603
51 mm sq. (2.0" sq.)	12	4.0 mm (0.16")	—	—	76 mm × 61 mm × 33 mm (3.0" × 2.4" × 1.7")	<ul style="list-style-type: none"> <li>Deep "V" slots hold various thicknesses</li> </ul>	PFA Blue polypropylene	A41-01-0215 A41-01-0603
51 mm sq. (2.0" sq.)	25	3.2 mm (0.13")	1.6 mm (0.06")	—	107 mm × 61 mm × 36 mm (4.2" × 2.4" × 1.4")		Blue polypropylene	A67-01-0603
25 mm sq. (1.0" sq.)	25	3.2 mm (0.13")	1.6 mm (0.06")	—	107 mm × 36 mm × 28 mm (4.2" × 1.4" × 1.1")		Blue polypropylene	A66-0603
9.5 mm sq.- 50.8 mm sq. (0.38" sq.- 1.0" sq.)	40	—	—	A01, A029	150 mm × 107 mm × 46 mm (5.9" × 4.2" × 1.8")		PFA Blue polypropylene	A19-01-0215 A19-01-0603

**ENTEGRIS, INC.**

Corporate Headquarters.  
3500 Lyman Boulevard  
Chaska, Minnesota 55318 USA  
Customer Service Tel. 952-556-4181  
Customer Service Fax 952-556-8022  
[www.entegris.com](http://www.entegris.com)

Entegris™, Silicon Delivery™, WaferCare™ and DeviceCare™ are trademarks  
of Entegris, Inc.  
STAT-PRO® is a trademark of Fluoroware, Inc.  
Bayon™ is a trademark of Kreha.

©2002 Entegris, Inc.  
Printed in USA  
1170-0984MAX-0602