

ESD-Safe Products

Organize work areas to efficiently store components, assemblies and circuit boards.

LEWISBins+ ESD materials conform to ANSI/ESD S20.20* 2007 requirements for ESD packaging. This standard requires conductive materials surface resistance to be $<1.0 \times 10^4$ ohms and dissipative materials to be $>1.0 \times 10^4$ ohms to $<1.0 \times 10^{11}$ ohms when tested per EOS/ESD S11.11. The materials also conform to the static decay requirement of FTM-101B, Method 4046.1 dissipating a 5,000 volt charge to 0 when grounded in less than two seconds. Contact your LEWISBins+ sales representative for more details on other dissipative materials that are available.



ESD-Safe Materials				
Property	Test Method Units	Conductive Material	Dissipative Materials	
		XL	LS	SD SMC
Surface Resistivity	ASTM D257 (ohms/square)	$< 1.0 \times 10^5$ $< 1.0 \times 10^{12}$	$\geq 1.0 \times 10^9$ $\leq 5.0 \times 10^9$	$\geq 1.0 \times 10^5$
Surface Resistance	EOS/ESD S11.11 (ohms)	$< 1.0 \times 10^4$	$\geq 1.0 \times 10^8$ $< 1.0 \times 10^{11}$	$\geq 1.0 \times 10^4$ $\leq 5.0 \times 10^8$
Static Decay	FTM-101B Method 4046.1 (seconds)	< 2 seconds	< 2 seconds	< 2 seconds
Temperature Range	°F	40°F to 225°F	40°F to 225°F	-60°F to 250°F

Note: At upper end of temperature range intermittent use is recommended.

ESD-Safe Products are ideal for:

- > Electronics
- > Telecommunications
- > Computers

ESD-Safe Products

Protect valuable contents from costly electrostatic discharge (ESD) and static electricity

Conductive Material - XL Material is a thermoplastic polypropylene material based upon carbon black that has a surface resistance of less than 1.0×10^4 ohms or surface resistivity of $< 1.0 \times 10^5$ ohms/square. XL material has a static decay rate from 5,000 volts to 0 of less than two seconds. This material has a useful temperature range of 40°F to 225°F, with intermittent use recommended at the higher end of the temperature range. The electrical properties of this material are permanent and unaffected by washing.

Dissipative Material - LS Material is a polypropylene material that is on upper end of the dissipative range. The material has a surface resistance greater than or equal to 1.0×10^8 ohms, but less than 1.0×10^{11} ohms or surface resistivity greater than or equal to 1.0×10^9 ohms/square, but less than 1.0×10^{12} ohms/square. LS material has a static decay rate from 5,000 volts to 0 of less than two seconds. This material has a useful temperature range of 40°F to 225°F, with intermittent use recommended at the higher end of the temperature range. Electrical properties are affected by humidity. This material is available on a made-to-order basis only.

Dissipative Material - SD SMC Material is a thermoset polyester based material that is on the lower end of the dissipative range. The material has a surface resistance greater than or equal to 1.0×10^4 , but less than or equal to 5.0×10^8 ohms/square and a surface resistivity greater than or equal to 1.0×10^5 ohms/square, but less than or equal to 5.0×10^9 ohms/square. This material has a useful temperature range of -60°F to 250°F, is autoclavable and does not melt at high temperatures making it ideal for handling hot parts. The electrical properties of this material are permanent and unaffected by washing.



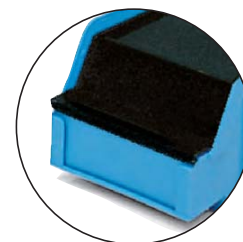
ESD-Safe Part Bins

Protect parts from the damaging effects of static electricity.

ESD-Safe Part Bins are permanently molded in conductive material for use in cleanrooms and workstations. Combine Part Bins with ESD-Safe Metal Storage Systems to meet your work-in-process requirements. See pg. 37-38 for more information on ESD-Safe Metal Storage Systems. Note: PB50 is not designed for use on hanging systems.



- > 8 sizes available.
- > Label insert area for easy identification.
- > Smooth gravity flow interior optimizes parts accessibility.
- > "X" designates molded-in dividers. Available on 6 models.
- > Bins hang on most louvered panels or rails.
- > Solid covers are available to further protect parts by creating a Faraday Cage.



CPB20

ESD-Safe Part Bins

Container Model	Outside Dimensions (in)			Inside Dimensions (in)		Hopper Height (in)	Weight (lb)	Carton Quantity	Flat Label ID Area (in)		Solid Covers
	L	W	H	L	W				W	H	
PB10	3.5	4.0	2.0	3.0	3.4	1.1	0.2	24	3.0	0.8	CPB10*
PB10X (with divider)	3.5	4.0	2.0	3.0	3.4	1.1	0.3	24	3.0	0.8	CPB10*
PB20	7.0	4.0	2.9	6.0	3.4	1.6	0.3	24	3.0	1.0	CPB20
PB20X (with divider)	7.0	4.0	2.9	6.0	3.4	1.6	0.3	24	3.0	1.0	CPB20
PB22	6.6	8.8	2.9	6.0	8.1	1.6	0.6	12	2.5	7.5	CPB22*
PB22X (with divider)	6.6	8.8	2.9	6.0	8.1	1.6	0.6	12	2.5	7.5	CPB22*
PB30	9.5	5.8	5.0	8.4	5.0	2.6	0.7	12	3.0	1.0	CPB30
PB30X (with divider)	9.5	5.8	5.0	8.4	5.0	2.6	0.8	12	3.0	1.0	CPB30
PB31	9.3	8.8	5.0	8.4	8.0	2.5	0.9	8	3.0	1.0	N/A
PB31X (with divider)	9.3	8.8	5.0	8.4	8.0	2.5	1.1	8	3.0	1.0	N/A
PB40	12.8	8.1	6.0	11.8	7.1	3.1	1.5	12	3.0	1.0	N/A
PB41	12.8	11.4	6.0	11.8	10.5	3.1	1.6	12	3.0	1.0	N/A
PB41X (with divider)	12.8	11.4	6.0	11.8	10.5	3.1	1.9	12	3.0	1.0	N/A
PB50	18.5	11.6	7.1	17.1	10.8	3.8	2.4	6	3.0	1.0	N/A

Available Stocked Material: ● XL Conductive

* Available on a make-to-order basis.
Note: Other ESD-safe materials available on a make-to-order basis. Please call for information.

ESD-Safe Trays & Bins

Rugged plastic Trays offer long life in workstations, plants and tool rooms.

LEWISBins+ fiberglass-reinforced ESD-Safe Assembly Trays are ideal for many industrial, electronic, distribution, storage and work-in-process applications.

- > Resistant to abrasion and chemicals.
- > Easily cleans in steam or water with a temperature range of -60° to 250°F.
- > Trays are permanently dissipative. Properties are unaffected by washing.



ESD-Safe Assembly Trays

Model	Outside Dimensions (in)			Weight (lb.)	Carton Quantity
	W	L	H		
TR1812-1SD	18.0	12.0	1.0	1.8	10
TR1814-1SD	18.0	14.0	1.0	1.8	10
TR2015-1SD	20.4	15.1	1.0	2.0	10
TR2618-1SD	25.8	17.9	1.1	3.0	10

Available Stocked Material: ● SD SMC

ESD-Safe Shelf Bins

- > Designed to work with 12" and 18" shelving to enhance inventory control and part organization.
- > Bins nest when empty to save space.
- > Built-in hang lock allows bin to tilt out for full part accessibility. Hopper front optimizes part accessibility.
- > Large flat area for adhesive identification and bar code scanning. (See pg. 39).
- > Each bin can accommodate up to 3 dividers.
- > Optional conductive dividers slide in easily and lock securely to eliminate part migration.



Shelf Bins

Model	Outside Dimensions (in)			Inside Dimensions (in)			Weight (lb.)	Carton Quantity	Width Dividers
	L	W	H	L	W	H			
12" Shelf Bins									
SB1204-4	12.0	4.3	4.0	10.5	3.3	3.9	0.3	48	DSB-4
SB1204-6	12.0	5.6	4.0	10.5	4.6	3.9	0.5	36	DSB-6
SB1204-8	12.0	8.5	4.0	10.5	7.5	3.9	0.5	24	DSB-8
18" Shelf Bins									
SB1804-4	17.6	4.3	4.0	16.4	3.3	3.9	0.4	36	DSB-4
SB1804-7	17.6	6.6	4.0	16.4	5.8	3.9	0.6	24	DSB-7

Available Stocked Material: ● XL Conductive

All specifications are approximate and subject to change without notice.

ESD-Safe Divider Boxes

Add flexibility with dividable containers. Slide-in dividers allows instant container configuration.

Multi-purpose stack-only LEWISBins+ ESD-Safe Divider Box Containers can be divided into compartments on 1.25" centers with easy-to-add dividers. These dividable containers are ideal for use in commercial, industrial, electronics and healthcare markets for storage, assembly, fabrication and distribution applications.



- > Strong stacking ridge and innovative ribbed walls ensures high performance.
- > Load capacity of 40 lbs. per container.
- > Compatible with many kinds of racking, shelving and material handling equipment.
- > Anti-static cardholders available for ESD-Safe identification. (See pg. 39.)
- > Two optional ESD-Safe Divider Box Covers are available for added product protection. A Faraday Cage is created when used with ESD-Safe Divider Boxes. Choose from the Insert Cover or Heavy-Duty Solid Cover.

CDC1040 Solid Cover



CDC1000 Insert Cover



Divider Box Containers

Model	Outside Dimensions L x W (in)		Inside Dimensions L x W (in)		Container Height (in)	Product Clearance (in) (with Snap-On Cover)	Weight (lb)	Volume (cu ft)	Compatible Cardholder	Carton Quantity	
	Top	Bottom	Top	Bottom							
1000 Series	DC1025	10.8 x 8.3	9.8 x 7.3	9.2 x 6.6	9.1 x 6.5	2.5	2.4	0.5	0.07	CH30LS	24
	DC1035	10.8 x 8.3	9.8 x 7.3	9.2 x 6.6	9.2 x 6.4	3.5	3.4	0.7	0.11	CH20LS	16
	DC1050	10.8 x 8.3	9.8 x 7.3	9.3 x 6.6	9.1 x 6.4	5.0	4.9	0.9	0.16	CH10LS	16
2000 Series	DC2025	16.5 x 10.9	15.5 x 9.9	14.8 x 9.2	14.7 x 9.1	2.5	2.4	1.0	0.16	CH30LS	12
	DC2035	16.5 x 10.9	15.5 x 9.9	14.8 x 9.2	14.8 x 9.2	3.5	3.4	1.1	0.24	CH20LS	8
	DC2050	16.5 x 10.9	15.5 x 9.9	14.9 x 9.3	14.8 x 9.3	5.0	4.9	1.4	0.36	CH10LS	8
	DC2060	16.5 x 10.9	15.5 x 9.9	14.9 x 9.4	14.9 x 9.3	6.0	5.9	1.6	0.43	CH10LS	8
3000 Series	DC2070	16.5 x 10.9	15.5 x 9.9	15.0 x 9.3	14.8 x 9.3	7.0	6.9	1.9	0.51	CH10LS	6
	DC2080	16.5 x 10.9	15.5 x 9.9	15.1 x 9.3	14.8 x 9.2	8.0	7.9	2.0	0.59	CH10LS	6
	DC3050	22.4 x 17.4	20.9 x 15.9	20.3 x 15.3	20.1 x 15.1	5.0	4.9	2.8	0.79	CH10LS	4
	DC3060	22.4 x 17.4	20.9 x 15.9	20.3 x 15.3	20.1 x 15.1	6.0	5.9	3.0	0.97	CH10LS	4
DC3080	22.4 x 17.4	20.9 x 15.9	20.3 x 15.3	20.1 x 15.1	8.0	7.9	4.0	1.32	CH10LS	4	
DC3120	22.4 x 17.4	20.9 x 15.9	20.3 x 15.3	20.1 x 15.1	12.0	11.9	6.0	2.00	CH10LS	3	

Available Stocked Material: ● XL Conductive

ESD-Safe Collar

Model	Collar Height (in)	Weight (lb)	Added Height (in)
COL3000	3.5	2.2	3.5

Available Stocked Material: ● XL Conductive

ESD-Safe Divider Box Covers

Fits Container	Cover Style	Cover Model	Weight (lb.)
DC1000 Series	Insert	CDC1000	0.3
	Heavy-Duty Solid	CDC1040	0.3
DC2000 Series	Insert	CDC2000	0.5
	Heavy-Duty Solid	CDC2040	0.6
DC3000 Series	Insert	CDC3000	1.0
	Heavy-Duty Solid	CDC3040	1.4

Available Stocked Material: ● XL Conductive

ESD-Safe Divider Boxes

Add efficiency with dividers, covers, dollies and cardholders for LEWISBins+ Divider Boxes.

Divider Box Dividers

Container Model	Divider Type	Maximum # of Dividers**	Vertical Divider Height									
			1.9"	2.9"	3.5"	4.3"	4.4"	5.4"	6.4"	7.4"	11.3"	
DC1000 Series	DC1025 Short	7	DV0825									
	DC1025 Long	5	DV1025									
	DC1035 Short	7	DV0825	DV0835								
DC1035	DC1035 Long	5	DV1025	DV1035								
	DC1050 Short	7	DV0825	DV0835				DV0850				
DC1050	DC1050 Long	5	DV1025	DV1035				DV1050				
	DC2025 Short	11	DV1025									
DC2025	DC2025 Long	7	DV1625									
	DC2035 Short	11	DV1025	DV1035								
DC2035	DC2035 Long	7	DV1625	DV1635								
	DC2050 Short	11	DV1025	DV1035				DV1050				
DC2050	DC2050 Long	7	DV1625	DV1635				DV1650				
	DC2060 Short	11	DV1025	DV1035				DV1050	DV1060			
DC2060	DC2060 Long	7	DV1625	DV1635				DV1650	DV1660			
	DC2070 Short	11	DV1025	DV1035				DV1050	DV1060	DV1070		
DC2070	DC2070 Long	7	DV1625	DV1635				DV1650	DV1660	DV1670		
	DC2080 Short	11	DV1025	DV1035				DV1050	DV1060	DV1070	DV1080	
DC2080	DC2080 Long	7	DV1625	DV1635				DV1650	DV1660	DV1670	DV1680	
	DC3050 Short	15			DV1735			DV1750				
DC3050	DC3050 Long	11			DV2235			DV2250				
	DC3060 Short	15			DV1735			DV1750	DV1760			
DC3060	DC3060 Long	11			DV2235			DV2250	DV2260			
	DC3080 Short	15			DV1735			DV1750	DV1760		DV1780	
DC3080	DC3080 Long	11			DV2235			DV2250	DV2260		DV2280	
	DC3120 Short	15			DV1735			DV1750	DV1760		DV1780	DV17120
DC3120	DC3120 Long	11			DV2235			DV2250	DV2260		DV2280	DV22120

Available Stocked Material: ● XL Conductive

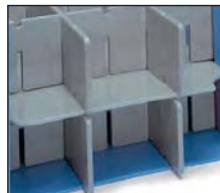
** Please order dividers separately.

Black = Partial Height Dividers
Purple = Full Height Dividers

ESD Safe Horizontal Dividers

Model	Fits Divider Box
DH1000*	DC1025, DC1035, DC1050
DH2000*	DC2025, DC2035, DC2050, DC2060, DC2070, DC2080
DH3000*	DC3050, DC3060, DC3080, DC3120

* Available on a make-to-order basis.
Please call for more information.



Utilize **Horizontal Dividers** to increase available space for smaller size items by horizontally dividing containers.

ESD-Safe Dollies

Model	Inside Dimensions (in)	Container Compatibility	Weight (lb)
DDC3000-CON	21.19 x 16.25	3000 Series	12.6 lbs

Available Stocked Color: ● XL Conductive
Includes drag chain.



DC3060 on ESD-Safe DDC3000-CON Dolly

Snap-On Cardholders

Model	Size L x W (in)	# of Snaps	Container Compatibility
CH10LS	7.75 x 4.25	2	DC1050, DC2050, DC2060, DC2070, DC2080, DC3050, DC3060, DC3080, DC3120
CH20LS	6.50 x 2.25	2	DC1035, DC2035
CH30LS	6.50 x 1.81	2	DC1025, DC2025

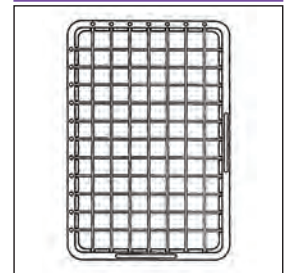
All specifications are approximate and subject to change without notice.

DC1000 Divider Layout



of Divider Slots on Short Side: 5
of Divider Slots on Long Side: 7
Divider cells are 1.25" square.

DC2000 Divider Layout



of Divider Slots on Short Side: 7
of Divider Slots on Long Side: 11
Divider cells are 1.25" square.

DC3000 Divider Layout



of Divider Slots on Short Side: 11
of Divider Slots on Long Side: 15
Divider cells are 1.25" square.

ESD-Safe Metal Systems

Protect valuable contents from costly electrostatic discharge (ESD) and static electricity.

- > Conductive Plastibox® Containers hang on Conductive Louvered Panels.
- > Panels are punched from 16-gauge steel.
- > Panels are finished in a durable black permanently conductive coating.
- > Louvered Panels mount securely to the walls or bench tops in your work area.
- > Proper grounding is recommended.
- > See pg. 33 for more information on LEWISBins+ ESD-Safe Plastibox Containers.



LP1818-CON shown with PB20-XL



LP1836-CON shown with PB30-XL



LP1236-CON shown with PB20-XL

ESD-Safe Wall Mounted Louvered Panels

Model	Dimensions (in)		Quantity of Conductive Bins to Fill Louvered Panel (Across x Down)					Load Capacity (lbs)
	H	L	PB10(x)	PB20(x)	PB22(x)	PB30(x)	PB31(x)	
LP1818-CON	18.0	18.0	16 (4x4)	16 (4x4)	8 (2x4)	9 (3x3)	6 (2x3)	160
LP1236-CON	12.0	36.0	24 (8x3)	24 (8x3)	12 (3x4)	12 (2x6)	8 (4x2)	160
LP1836-CON	18.0	36.0	32 (8x4)	32 (8x4)	16 (4x4)	18 (6x3)	12 (4x3)	160

Available Stocked Material: ● XL Conductive

Note: Please order bins separately. Assembly required.



LPA1236-CON shown with PB20-XL



LPA1836-CON shown with PB30-XL



LPA1818-CON shown with PB20-XL

ESD-Safe Bench Assemblies

Model	Dimensions (in)		Quantity of Conductive Bins to Fill Louvered Panel					Load Capacity (lbs)
	H	L	PB10(x)	PB20(x)	PB22(x)	PB30(x)	PB31(x)	
LPA1818-CON	18.0	18.0	16	16	8	9	6	130
LPA1236-CON	12.0	36.0	24	24	12	12	8	100
LPA1836-CON	18.0	36.0	32	32	16	18	12	130

Available Stocked Material: ● XL Conductive

Note: Please order bins separately. Assembly required.