

## Lead

Composition is 99.8-100% lead and 0-.2% trace elements for all except shot and balls. Machine with carbide tools, unless noted. Melting point is 621° F, unless noted. Yield strength is 1050 psi, unless noted. Color is gray to blue gray.

### Sheets



Cold-rolled lead sheets are good sound and vibration absorbers. They're easy to form, even to irregular surfaces. Use for gasketing, shielding against small amounts of radiation, and lining tanks and containers to prevent corrosion. Density is 705-725 lbs./ft<sup>3</sup>. Length and width tolerances are ±1/8". Meets ASTM B739 and QQL-201.

Thick.	Tolerance	4" x 36"	6" x 6"	12" x 12"	12" x 24"	12" x 36"	12" x 48"
Thick.	Tolerance	Each	Each	Each	Each	Each	Each
1/24"	±.006"	9032K281 \$9.26	9032K271 \$4.23	9032K111 \$10.68	9032K119 \$19.56	9032K128 \$24.88	9032K137 \$37.50
1/16"	±.006"	9032K282 14.90	9032K272 6.66	9032K112 16.19	9032K121 27.56	9032K129 40.75	9032K138 53.12
3/32"	±.008"	9032K283 20.40	9032K273 9.38	9032K113 25.50	9032K122 46.14	9032K131 60.34	9032K139 86.46
1/8"	±.010"	9032K284 28.94	9032K274 13.16	9032K114 28.17	9032K123 50.92	9032K132 85.00	9032K141 107.09
3/16"	±.012"	9032K285 42.51	9032K275 17.14	9032K115 46.97	9032K124 83.02	9032K133 127.50	9032K142 155.52
1/4"	±.012"	9032K286 57.87	9032K276 21.71	9032K116 64.21	9032K125 122.40	9032K134 174.86	9032K143 190.73
1/2"	±.020"		9032K277 64.29	9032K117 114.75	9032K126 218.57	9032K135 283.86	
1"	±.020"		9032K278 121.62	9032K261 206.57	9032K262 385.39		
		24" x 24"	24" x 36"	24" x 48"	36" x 36"	36" x 48"	48" x 48"
1/24"	±.006"	9032K146 \$30.01	9032K155 \$49.66	9032K164 \$67.28	9032K182 \$75.62	9032K191 \$93.73	9032K227 \$124.97
1/16"	±.006"	9032K147 50.16	9032K156 80.26	9032K165 99.59	9032K183 108.86	9032K192 145.45	9032K228 174.94
3/32"	±.008"	9032K148 78.46	9032K157 109.24	9032K166 145.18	9032K184 142.91	9032K193 190.58	9032K229 254.21
1/8"	±.010"	9032K149 96.95	9032K158 142.54	9032K167 174.17	9032K185 196.26	9032K194 261.30	
3/16"	±.012"	9032K151 178.50	9032K159 196.19	9032K168 261.30	9032K186 293.85		
1/4"	±.012"	9032K152 198.82	9032K161 268.72		9032K187 366.89		

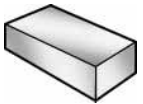
### Ingots



Melt ingots down and use for caulking, hot-dip coatings, and casting into lead items. Yield strength is 1450 psi. Meets ASTM B29.

	Lg.	Wd.	Ht.	Each
5-lb. Ingot	4 1/4"	2 1/2"	1 3/4"	9031K1 \$9.30
25-lb. Ingot	21 1/4"	2 1/2"	1 3/4"	9031K6 44.88
60-lb. Ingot	21 1/4"	3 7/8"	2 1 1/16"	9031K5 93.25

### Bricks



Put these pure lead bricks around containers, tanks, and radiation-producing equipment to help shield other equipment from radiation. Meets ASTM B749.

Size	Approx. Wt., lbs.	Each
3" x 2" x 6"	14 3/4	9033K22 \$36.91
4" x 2" x 8"	26 1/4	9033K11 63.56

### Discs



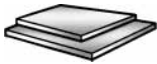
Cast-lead discs are for counterbalancing, vibration dampening, and shielding. The center hole means you can mount them and use them as spacers and washers. Thickness and OD tolerances are ±.012". ID tolerance is ±.008". Yield strength is 808 psi. Meets ASTM B29 and QQL-171e Grade C.

Thick.	OD	ID	Approx. Wt., lbs.	Each
1/2"	2 3/4"	1 3/32"	1 1/4	90385K22 \$11.55
1/2"	4 1/2"	2 5/64"	3 1/4	90385K32 19.30
1/2"	6"	2 5/64"	5 3/4	90385K42 28.98
1/2"	8 1/2"	4 1/64"	11 1/2	90385K52 44.20
1"	4 1/2"	2 5/64"	6 1/2	90385K34 36.70
1"	6"	2 5/64"	11 1/2	90385K44 48.80
1"	8 1/2"	4 1/64"	23	90385K54 80.00
1"	10 3/4"	4 1/64"	37	90385K64 127.04
1"	13"	4 1/64"	54	90385K74 177.65
2"	4 1/2"	2 5/64"	13	90385K36 63.60
2"	6"	2 5/64"	23	90385K46 84.85
2"	8 1/2"	4 1/64"	46	90385K56 144.50

## Vinyl-Coated Lead

Commonly used as weights and vibration dampers and gaskets.

### Sheet



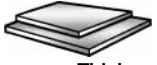
Composition is 94% lead. Vinyl coating is red. Length, width, and thickness tolerances are ±.005".

Thick.	Each
.085"	2" x 12" 2310K3 \$24.24

## Tin

Soft and malleable, tin is easily formed and cast into shapes. It's readily alloyed with lead, antimony, silver, copper, and other metals to form solder and babbitt materials. Tin is also nontoxic and provides a lubricating effect when used for bearing surfaces. Composition is 99.85% tin. Machine with standard steel tools.

### Sheets



Sheets are great for making into gaskets and filters. Color is silver. Melting point is 425° F. Yield strength is not rated. Length and width tolerances are ±.093".

Thick.	Tolerance	6" x 6"	12" x 12"	12" x 24"	24" x 24"
Thick.	Tolerance	Each	Each	Each	Each
1/32"	±.007"	8906K131 \$12.22	8906K121 \$37.90	8906K141 \$73.27	8906K161 \$129.29
1/16"	±.008"	8906K231 24.44	8906K221 72.07	8906K241 139.56	8906K261 264.24
1/8"	±.012"	8906K431 48.87	8906K421 144.13	8906K441 276.83	8906K461 498.29

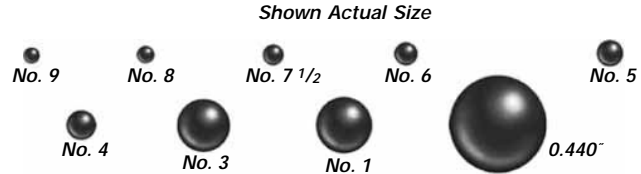
### Wool



Lead wool melts easily, is easy to work with, and can be cut with scissors. It's an ideal packing and sealing material for pipe and plumbing connections. Press it into the joint and apply low heat to create a watertight seal.

Each
5-lb. Bag 9021K11 \$27.65

### Shot and Balls



Ideal as ballast and as weights, lead shot and balls also melt rapidly. Precision manufacturing helps ensure uniform size, roundness, solidness, and a smooth finish. Melting temperature range is 572° to 621° F. Not rated for yield strength. Sold in 5-lb. packages.

No. 9 through No. 1 are graded as shot while the 0.440" diameter is classified as a ball. Shot diameter tolerance is ±.005". Ball diameter tolerance is ±.007".

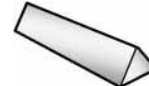
No.	Dia.	Lead Content	Approx. Pkg. Qty.	Per Pkg.
9	0.08"	98%	45,600	9030K21 \$18.49
8	0.09"	98%	32,000	9030K22 18.49
7 1/2	0.095"	98%	27,200	9030K23 18.49
6	0.11"	99%	17,600	9030K24 18.49
5	0.12"	99%	13,440	9030K25 18.49
4	0.13"	99%	10,560	9030K26 18.49
3	0.25"	100%	1,500	9030K27 42.16
1	0.30"	100%	750	9030K28 42.16
	0.44"	99.90%	250	9030K29 42.16

## Lead Hammer Metal

Chipping and mushrooming aren't an issue for this hard, ductile lead alloy. It's widely used for making nonmarring hammers and as a back-up metal. Composition is approximately 94.25% lead and 5.75% antimony. Pouring temperature is 575° F (melting point is slightly lower). Bars are approximately 6 7/8" x 1 1/8" x 1 5/8" and weigh approximately 5 lbs.

9045K11	Each \$13.96
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### Bar



Triangular bar is approximately 10 1/2" Lg. x 1 1/16" Wd. (at base) x 1/16" Ht. and weighs approximately 1 lb. Color is dark gray. Melting point is

450° F. Yield strength is not rated. Length, width, and thickness tolerances are not rated. 8886K11 Each \$19.29