



# Tinplate Conversion Chart

## THICKNESS CONVERSION

Base Weight (lbs)	Thickness (inches)	Thickness (mm)
50	0.0055	0.140
54	0.0059	0.151
55	0.0061	0.154
57	0.0063	0.159
59	0.0065	0.165
61	0.0067	0.170
63	0.0069	0.176
65	0.0072	0.182
66	0.0073	0.184
68	0.0075	0.190
70	0.0077	0.196
72	0.0079	0.201
74	0.0081	0.207
75	0.0083	0.210
77	0.0085	0.215
79	0.0087	0.221
81	0.0089	0.226
83	0.0091	0.232
85	0.0094	0.237
86	0.0095	0.240
87	0.0096	0.243
89	0.0098	0.249
91	0.0100	0.254
93	0.0102	0.260
95	0.0105	0.265
96	0.0106	0.268
98	0.0108	0.274
100	0.0110	0.279
102	0.0112	0.285
104	0.0114	0.291
105	0.0116	0.293
107	0.0118	0.299
109	0.0120	0.305
111	0.0122	0.310
113	0.0124	0.316
115	0.0127	0.321
116	0.0128	0.324
118	0.0130	0.330
120	0.0132	0.335
122	0.0134	0.341
124	0.0136	0.346
125	0.0138	0.349
127	0.0140	0.355
129	0.0142	0.360
131	0.0144	0.366
133	0.0146	0.372
135	0.0149	0.377
136	0.0150	0.380
139	0.0153	0.388
141	0.0155	0.394
145	0.0160	0.405
148	0.0163	0.414

## HARDNESS COMPARISON (Based on ASTM A623)

Designation	T-1	T-2	T-3	T-4	T-5	DR-8	DR-9
Aim Rockwell Range (30-T Scale)	45-53	49-57	53-61	57-65	61-69	70-76	73-79

## TIN COATING WEIGHTS (Based on ASTM A624)

Designation	lbs/BB	g/m <sup>2</sup>	Designation	lbs/BB	g/m <sup>2</sup>
10	0.05/0.05	1.1/1.1	50/25	0.25/0.125	5.6/2.8
20	0.10/0.10	2.2/2.2	75/25	0.375/0.125	8.4/2.8
25	0.125/0.125	2.8/2.8	75/50	0.375/0.25	8.4/5.6
35	0.175/0.175	3.9/3.9	100/25	.50/0.125	11.2/2.8
50	0.25/0.25	5.6/5.6	100/50	0.50/0.25	11.2/5.6
75	0.375/0.375	8.4/8.4	100/75	0.50/0.375	11.2/8.4
100	0.50/0.50	11.2/11.2	135/25	0.675/0.125	15.2/2.8

## DECIMAL EQUIVALENTS

Fraction	Decimal	Millimeter	
	1/16	0.0625	1.5875
	1/8	0.1250	3.1750
	3/16	0.1875	4.7625
<b>1/4</b>		<b>0.2500</b>	<b>6.3500</b>
	5/16	0.3125	7.9375
	3/8	0.3750	9.5250
	7/16	0.4375	11.1125
<b>1/2</b>		<b>0.5000</b>	<b>12.7000</b>
	9/16	0.5625	14.2875
	5/8	0.6250	15.8750
	11/16	0.6875	17.4625
<b>3/4</b>		<b>0.7500</b>	<b>19.0500</b>
	13/16	0.8125	20.6375
	7/8	0.8750	22.2250
	15/16	0.9375	23.8125
<b>1</b>		<b>1.0000</b>	<b>25.4000</b>

## ENGLISH/METRIC CONVERSION FACTORS

millimeters	X	0.03937	=	inches
inches	X	25.4	=	millimeters
kilograms	X	2.20462	=	pounds
pounds	X	0.4535929	=	kilograms
SITA's (100m <sup>2</sup> )	X	4.9426	=	base boxes
base boxes	X	0.20232	=	SITA's
lb/BB	X	22.42	=	g/m <sup>2</sup>
g/m <sup>2</sup>	X	0.0446	=	lb/BB

Reynolds Services, Inc. ....724.646.2600  
RSI Tinstar, LLC.....410.485.2212  
Select Metal Litho Greenville .....724.646.1222