

Aluminum sheet vs. Steel sheet Stiffness Equivalence

Steel LB/SF	Steel Thickness	Aluminum Thickness	Aluminum LB/SF
.975	.024	.032	.452
1.22	.029	.040	.564
1.47	.035	.050	.705
1.80	.044	.063	.890
2.44	.059	.080	1.13
2.56	.062	.090	1.27
2.86	.070	.100	1.41
3.66	.089	.125	1.76
4.88	.119	.160	2.25
5.49	.134	.190	2.68
7.33	.179	.250	3.53

NOTE: Aluminum sheet weighs only 1/3 as much as steel; this means the equivalent aluminum sheet will weigh only half as much as the steel sheet it replaces.