



Rockwell C Hardness (HRc)	Brinell 10mm Carbide Ball (Bhn)	Rockwell A Hardness (Hra)	Scleroscope	Vickers Hardness (Hv)	Approx Tensile (1000 PSI)
68	-	85.6	97.3	940	
67	-	85.0	95.0	900	
66	-	84.5	92.7	865	
65	(739)	83.9	90.6	832	
64	(722)	83.4	88.5	800	
63	(705)	82.8	86.5	772	
62	(688)	82.3	84.5	746	
61	(670)	81.8	82.6	720	
60	(654)	81.2	80.8	697	
59	634	80.7	79.0	674	
58	615	80.1	77.3	653	
57	595	79.6	75.6	633	
56	577	79.0	74.0	613	
55	560	78.5	72.4	595	
54	543	78.0	70.9	577	298
53	525	77.4	69.4	560	288
52	512	76.8	67.9	544	274
51	496	76.3	66.5	528	264
50	481	75.9	65.1	513	252
49	469	75.2	63.7	498	242
48	455	74.7	62.4	484	236
47	443	74.1	61.1	471	230
46	432	73.6	59.8	458	219
45	421	73.1	58.5	446	212
44	409	72.5	57.3	434	207
43	400	72.0	56.1	423	202
42	390	71.5	54.9	412	193
41	381	70.9	53.7	402	187
40	371	70.4	52.6	392	182
39	362	69.9	51.5	382	177
38	353	69.4	50.4	372	171
37	344	68.9	49.3	363	164
36	336	68.4	48.2	354	159
35	327	67.9	47.1	345	156
34	319	67.4	46.1	336	154
33	311	66.8	45.1	327	149
32	301	66.3	44.1	318	146
31	294	65.8	43.1	310	141
30	286	65.3	42.2	302	138
29	279	64.8	41.3	294	134
28	271	64.3	40.4	286	130
27	264	63.8	39.5	279	127
26	258	63.3	38.7	272	123
25	253	62.8	37.8	266	121
24	247	62.4	37.0	260	119
23	243	62.0	36.3	254	116
22	237	61.5	35.5	248	114
21	231	61.0	34.8	243	111
20	226	60.5	34.2	238	110

\*all numbers are estimated for a comparison reference