

Newage® Hardness Conversions

Product Data Sheet
PDS-CNVH-2010
March 2010

Hardness Conversion for Rockwell C scale or High Hardness Range

C 150 kgf Diamond	A 60 kgf Diamond	D 100 kgf Diamond	15N 15 kgf Diamond	30N 30 kgf Diamond	45N 45 kgf Diamond	HV Scale	HK >50 gf	HB 10/3000
68	85.6	76.9	93.2	84.4	75.4	940	920	-
67	85.0	76.1	92.9	83.6	74.2	900	895	-
66	84.5	75.4	92.5	82.8	73.3	865	870	-
65	83.9	74.5	92.2	81.9	72.0	832	846	739
64	83.4	73.8	91.8	81.1	71.0	800	822	722
63	82.8	73.0	91.4	80.1	69.9	722	799	705
62	82.3	72.2	91.1	79.3	68.8	746	776	688
61	81.8	71.5	90.7	78.4	67.7	720	754	670
60	81.2	70.7	90.2	77.5	66.6	697	732	654
59	80.7	69.9	89.8	76.6	65.5	674	710	634
58	80.1	69.2	89.3	75.7	64.3	653	690	615
57	79.6	68.5	88.9	74.8	63.2	633	670	595
56	79.0	67.7	88.3	73.9	62.0	613	650	577
55	78.5	66.9	87.9	73.0	60.9	595	630	560
54	78.0	66.1	87.4	72.0	59.8	577	612	543
53	77.4	65.4	86.9	71.2	58.6	560	594	525
52	76.8	64.6	86.4	70.2	57.4	544	576	512
51	76.3	63.8	85.9	69.4	56.1	528	558	496
50	75.9	63.1	85.5	68.5	55.0	513	542	481
49	75.2	62.1	85.0	67.6	53.8	498	526	469
48	74.7	61.4	84.5	66.7	52.5	484	510	455
47	74.1	60.8	83.9	65.8	51.4	471	495	443
46	73.6	60.0	83.5	64.8	50.3	458	480	432
45	73.1	59.2	83.0	64.0	49.0	446	466	421
44	72.5	58.5	82.5	63.1	47.8	434	452	409
43	72.0	57.7	82.0	62.2	46.7	423	438	400
42	71.5	56.9	81.5	61.3	45.5	412	426	390
41	70.9	56.2	80.9	60.4	44.3	402	414	381
40	70.4	55.4	80.4	59.5	43.1	392	402	371
39	69.9	54.6	79.9	58.6	41.9	382	391	362
38	69.4	53.8	79.4	57.7	40.8	372	380	353
37	68.9	53.1	78.8	56.8	39.6	363	370	344
36	68.4	52.3	78.3	55.9	38.4	354	360	336
35	67.9	51.5	77.7	55.0	37.2	345	351	327
34	67.4	50.8	77.2	54.2	36.1	336	342	319
33	66.8	50.0	76.6	53.3	34.9	327	334	311
32	66.3	49.2	76.1	52.1	33.7	318	326	301
31	65.8	48.4	75.6	51.3	32.5	310	318	294
30	65.3	47.7	75.0	50.4	31.3	302	311	286
29	64.8	47.0	74.5	49.5	30.1	294	304	279
28	64.3	46.1	73.9	48.6	28.9	286	297	271
27	63.8	45.2	73.3	47.7	27.8	279	290	264
26	63.3	44.6	72.8	46.8	26.7	272	284	258
25	62.8	43.8	72.2	45.9	25.5	266	278	253
24	62.4	43.1	71.6	45.0	24.3	260	272	247
23	62.0	42.1	71.0	44.0	23.1	254	266	243
22	61.5	41.6	70.5	43.2	22.0	248	261	237
21	61.0	40.9	69.9	42.3	20.7	243	256	231
20	60.5	40.1	69.4	41.5	19.6	238	251	226

Values shown in red are outside the recommended range.

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