

Grade	Br		HcB		Hcj		(BH)max		Br	Hcj	Temp °C
	KGs	mT	kOe	Ka/m	kOe	Ka/m	MGOe	Kj/m³	TK(Br)	TK(Hcj)	
N28	10.4-10.9	1040-1090	≥10.0	≥796	≥12	≥955	25-28	199-223	-0.12	-0.6	80
N30	10.8-11.3	1080-1130	≥10.0	≥796	≥12	≥955	28-31	223-247	-0.12	-0.6	80
N33	11.3-11.7	1130-1170	≥10.5	≥836	≥12	≥955	31-34	247-271	-0.12	-0.6	80
N35	11.7-12.2	1170-1220	≥10.9	≥868	≥12	≥955	33-36	263-287	-0.12	-0.6	80
N38	12.2-12.5	1220-1250	≥11.3	≥899	≥12	≥955	36-39	287-310	-0.12	-0.6	80
N40	12.5-12.8	1250-1280	≥11.6	≥923	≥12	≥955	38-41	302-326	-0.12	-0.6	80
N42	12.8-13.2	1280-1320	≥11.6	≥923	≥12	≥955	40-43	318-342	-0.12	-0.6	80
N45	13.2-13.7	1320-1370	≥11.0	≥876	≥12	≥955	43-46	342-366	-0.12	-0.6	80
N48	13.7-14.2	1370-1420	≥11.2	≥892	≥12	≥955	46-49	366-390	-0.12	-0.6	80
N50	13.9-14.4	1390-1440	≥10.5	≥836	≥12	≥955	47-51	376-406	-0.12	-0.6	80
N52	14.2-14.7	1420-1470	≥10.5	≥836	≥11	≥876	49-53	390-422	-0.12	-0.6	80
N55	14.6-15.2	1460-1520	≥9.0	≥716	≥11	≥876	52-56	414-446	-0.12	-0.6	80
30M	10.8-11.3	1080-1130	≥10.0	≥796	≥14	≥1114	28-31	223-247	-0.11	-0.65	100
33M	11.3-11.7	1130-1170	≥10.5	≥836	≥14	≥1114	31-34	247-271	-0.11	-0.65	100
35M	11.7-12.2	1170-1220	≥10.9	≥868	≥14	≥1114	33-36	263-287	-0.11	-0.65	100
38M	12.2-12.5	1220-1250	≥11.3	≥899	≥14	≥1114	36-39	287-310	-0.11	-0.65	100
40M	12.5-12.8	1250-1280	≥11.6	≥923	≥14	≥1114	38-41	302-326	-0.11	-0.65	100
42M	12.8-13.2	1280-1320	≥12.0	≥955	≥14	≥1114	40-43	318-342	-0.11	-0.65	100
45M	13.2-13.7	1320-1370	≥12.5	≥995	≥14	≥1114	43-46	342-366	-0.11	-0.65	100
48M	13.6-14.2	1360-1420	≥12.8	≥1019	≥14	≥1114	45-49	358-390	-0.11	-0.65	100
50M	13.9-14.4	1390-1440	≥13.0	≥1035	≥14	≥1114	47-51	374-406	-0.11	-0.65	100
52M	14.2-14.7	1420-1470	≥12.5	≥955	≥13	≥1035	49-53	390-422	-0.11	-0.65	100
28H	10.4-10.9	1040-1090	≥9.6	≥764	≥17	≥1353	25-28	199-223	-0.11	-0.65	120
30H	10.8-11.3	1080-1130	≥10.0	≥796	≥17	≥1353	28-31	223-247	-0.11	-0.65	120
33H	11.3-11.7	1130-1170	≥10.5	≥836	≥17	≥1353	31-34	247-271	-0.11	-0.65	120
35H	11.7-12.2	1170-1220	≥10.9	≥868	≥17	≥1353	33-36	263-287	-0.11	-0.65	120
38H	12.2-12.5	1220-1250	≥11.3	≥899	≥17	≥1353	36-39	287-310	-0.11	-0.6	120
40H	12.5-12.8	1250-1280	≥11.6	≥923	≥17	≥1353	38-41	302-326	-0.11	-0.6	120
42H	12.8-13.2	1280-1320	≥12.0	≥955	≥17	≥1353	40-43	318-342	-0.11	-0.6	120
45H	13.2-13.7	1320-1370	≥12.2	≥971	≥17	≥1353	43-46	342-366	-0.11	-0.6	120
48H	13.6-14.2	1360-1420	≥12.9	≥1027	≥17	≥1353	45-49	358-390	-0.11	-0.6	120
50H	13.9-14.4	1390-1440	≥13.0	≥1035	≥16	≥1274	47-51	374-406	-0.11	-0.6	120
28SH	10.4-10.9	1040-1090	≥9.8	≥780	≥20	≥1592	25-28	199-223	-0.10	-0.6	150
30SH	10.8-11.3	1080-1130	≥10.1	≥804	≥20	≥1592	28-31	223-247	-0.10	-0.6	150
33SH	11.3-11.7	1130-1170	≥10.6	≥844	≥20	≥1592	31-34	247-271	-0.10	-0.6	150
35SH	11.7-12.2	1170-1220	≥11.0	≥876	≥20	≥1592	33-36	263-287	-0.10	-0.6	150
38SH	12.2-12.5	1220-1250	≥11.4	≥907	≥20	≥1592	36-39	287-310	-0.10	-0.6	150
40SH	12.5-12.8	1250-1280	≥11.8	≥939	≥20	≥1592	38-41	302-326	-0.10	-0.6	150
42SH	12.8-13.2	1280-1320	≥12.2	≥971	≥20	≥1592	40-43	318-342	-0.10	-0.6	150
45SH	13.2-13.7	1320-1370	≥12.3	≥979	≥20	≥1592	43-46	342-366	-0.10	-0.6	150
48SH	13.6-14.2	1360-1420	≥12.5	≥995	≥19	≥1512	45-49	358-390	-0.10	-0.6	150

28UH	10.2-10.8	1020-1080	≥9.6	≥764	≥25	≥1990	26-29	207-231	-0.10	-0.55	180
30UH	10.8-11.3	1080-1130	≥10.2	≥812	≥25	≥1990	28-31	223-247	-0.10	-0.55	180
33UH	11.3-11.7	1130-1170	≥10.7	≥852	≥25	≥1990	31-34	247-271	-0.10	-0.55	180
35UH	11.7-12.2	1170-1220	≥10.8	≥860	≥25	≥1990	33-36	263-287	-0.10	-0.55	180
38UH	12.2-12.5	1220-1250	≥11.0	≥876	≥25	≥1990	36-39	287-310	-0.10	-0.55	180
40UH	12.5-12.8	1250-1280	≥11.5	≥915	≥25	≥1990	38-41	302-326	-0.10	-0.55	180
42UH	12.5-12.8	1250-1280	≥12.2	≥971	≥25	≥1990	39-43	310-342	-0.10	-0.55	180
28EH	10.4-10.9	1040-1090	≥9.8	≥780	≥30	≥2388	26-29	207-231	-0.10	-0.55	200
30EH	10.8-11.3	1080-1130	≥10.2	≥812	≥30	≥2388	28-31	223-247	-0.10	-0.55	200
33EH	11.3-11.7	1140-1180	≥10.3	≥820	≥30	≥2388	31-34	247-271	-0.10	-0.55	200
35EH	11.7-12.2	1170-1220	≥10.5	≥836	≥30	≥2388	33-36	263-287	-0.10	-0.55	200
38EH	12.0-12.5	1200-1250	≥11.5	≥915	≥30	≥2388	35-39	279-310	-0.10	-0.5	200
28AH	10.2-10.9	1020-1090	≥9.8	≥780	≥34	≥2706	25-29	199-231	-0.10	-0.5	200
30AH	10.7-11.3	1070-1130	≥10.2	≥812	≥34	≥2706	27-31	215-247	-0.10	-0.5	200
33AH	11.1-11.7	1110-1170	≥10.5	≥836	≥34	≥2706	30-34	239-271	-0.10	-0.5	200