

구분	단위	내용
Curie Temperature (퀴리온도)	°C	310~370
Maximum Operating Temperature (최대 사용 온도)	°C	80~230
Hardness (경도)	Hv	560~580
Density (밀도)	g/cm ³	7.4
Temperature Coefficient of Br 잔류자속밀도의 온도 특성	%/°C	-0.12~-0.10
Temperature Coefficient of iHc 보자력의 온도 특성	%/°C	-0.6

PROPERTY	Br	b H c	i H c	(BH)max	허용온도
GRADE	T(KGs)	KOe(KA/m)	KOe(KA/m ³)	MGOe(KJ/m ³)	°C
N35	1.17-1.21(11.7-12.1)	≥10.9(≥868)	≥12(≥955)	33-36(263-287)	80
N38	1.21-1.25(12.1-12.5)	≥11.3(≥899)	≥12(≥955)	36-39(287-310)	80
N40	1.25-1.28(12.5-12.8)	≥11.6(≥923)	≥12(≥955)	38-41(302-326)	80
N42	1.28-1.32(12.8-13.2)	≥11.6(≥923)	≥12(≥955)	40-43(318-342)	80
N45	1.32-1.38(13.2-13.8)	≥11.0(≥876)	≥12(≥955)	43-46(342-366)	80
N48	1.38-1.42(13.8-14.2)	≥10.5(≥835)	≥11(≥876)	46-49(366-390)	80
N50	1.38-1.45(13.8-14.5)	≥10.5(≥835)	≥11(≥876)	47-51(374-406)	80
N52	1.43-1.48(14.3-14.8)	≥10.0(≥796)	≥11(≥876)	50-53(398-422)	80
N55	1.46-1.52(14.6-15.2)	≥9.0(≥716)	≥11(≥876)	52-56(414-446)	80
30M	1.08-1.13(10.8-11.3)	≥10.0(≥796)	≥14(≥1114)	28-31(223-247)	100
33M	1.13-1.17(11.3-11.7)	≥10.5(≥836)	≥14(≥1114)	31-34(247-271)	100
35M	1.17-1.21(11.7-12.1)	≥10.9(≥868)	≥14(≥1114)	33-36(263-287)	100
38M	1.21-1.25(12.1-12.5)	≥11.3(≥899)	≥14(≥1114)	36-39(287-310)	100
40M	1.25-1.28(12.5-12.8)	≥11.6(≥923)	≥14(≥1114)	38-41(302-326)	100
42M	1.28-1.32(12.8-13.2)	≥12.1(≥963)	≥14(≥1114)	40-43(318-342)	100
45M	1.32-1.38(13.2-13.8)	≥12.5(≥995)	≥14(≥1114)	43-46(342-366)	100
48M	1.37-1.43(13.7-14.3)	≥12.9(≥1027)	≥14(≥1114)	46-49(366-390)	100
50M	1.40-1.45(14.0-14.5)	≥13.0(≥1035)	≥14(≥1114)	48-51(382-406)	100
52M	1.42-1.47(14.2-14.7)	≥12.5(≥995)	≥13(≥1035)	49-53(390-422)	100
30H	1.08-1.13(10.8-11.3)	≥10.2(≥812)	≥17(≥1353)	28-31(223-247)	120
33H	1.13-1.17(11.3-11.7)	≥10.6(≥844)	≥17(≥1353)	31-33(247-263)	120
35H	1.17-1.21(11.7-12.1)	≥11.0(≥876)	≥17(≥1353)	33-36(263-287)	120
38H	1.21-1.25(12.1-12.5)	≥11.2(≥890)	≥17(≥1353)	36-39(287-310)	120
40H	1.25-1.28(12.5-12.8)	≥11.5(≥915)	≥17(≥1353)	38-41(302-326)	120
42H	1.28-1.32(12.8-13.2)	≥11.9(≥947)	≥17(≥1353)	40-43(318-342)	120
45H	1.32-1.37(13.2-13.7)	≥12.1(≥963)	≥17(≥1353)	43-46(326-358)	120
48H	1.36-1.42(13.6-14.2)	≥12.5(≥995)	≥17(≥1353)	46-49(366-390)	120
50H	1.39-1.44(13.9-14.4)	≥13.0(≥1035)	≥16(≥1274)	47-51(374-406)	120

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Temperature Coefficient of iHc 보자력의 온도 특성	%/°C	-0.6

PROPERTY	Br	b H c	i H c	(BH)max	허용온도
GRADE	T(KGs)	KOe(KA/m)	KOe(KA/m ³)	MGOe(KJ/m ³)	°C
30SH	1.08-1.13(10.8-11.3)	≥10.0(≥796)	≥20(≥1592)	28-31(223-247)	150
33SH	1.13-1.17(11.3-11.7)	≥10.6(≥844)	≥20(≥1592)	31-34(247-271)	150
35SH	1.17-1.22(11.7-12.2)	≥11.0(≥876)	≥20(≥1592)	33-36(263-287)	150
38SH	1.22-1.25(12.2-12.5)	≥11.4(≥907)	≥20(≥1592)	36-39(287-310)	150
40SH	1.25-1.28(12.5-12.8)	≥11.8(≥939)	≥20(≥1592)	38-41(302-326)	150
42SH	1.28-1.32(12.8-13.2)	≥12.2(≥971)	≥20(≥1592)	40-43(318-342)	150
45SH	1.32-1.38(13.2-13.8)	≥12.3(≥979)	≥20(≥1592)	43-46(342-366)	150
48SH	1.36-1.42(13.6-14.2)	≥12.5(≥995)	≥19(≥1512)	45-49(358-390)	150
28UH	1.02-1.08(10.2-10.8)	≥9.6(≥764)	≥25(≥1990)	26-29(207-231)	180
30UH	1.08-1.13(10.8-11.3)	≥10.2(≥812)	≥25(≥1990)	28-31(223-247)	180
33UH	1.13-1.17(11.3-11.7)	≥10.7(≥852)	≥25(≥1990)	31-33(247-263)	180
35UH	1.17-1.21(11.7-12.1)	≥10.8(≥860)	≥25(≥1990)	33-36(263-287)	180
38UH	1.22-1.25(12.2-12.5)	≥11.0(≥876)	≥25(≥1990)	36-39(287-310)	180
40UH	1.25-1.28(12.5-12.8)	≥11.5(≥915)	≥25(≥1990)	38-41(302-326)	180
42UH	1.27-1.32(12.7-13.2)	≥12.2(≥971)	≥25(≥1990)	39-43(310-342)	180
45UH	1.32-1.37(13.2-13.7)	≥12.5(≥995)	≥24(≥1910)	43-47(342-374)	180
28EH	1.04-1.08(10.4-10.8)	≥9.8(≥780)	≥30(≥2388)	26-29(207-231)	200
30EH	1.08-1.13(10.8-11.3)	≥10.2(≥812)	≥30(≥2388)	28-31(223-247)	200
33EH	1.13-1.17(11.3-11.7)	≥10.3(≥820)	≥30(≥2388)	31-33(247-263)	200
35EH	1.17-1.21(11.7-12.1)	≥10.5(≥836)	≥30(≥2388)	33-36(263-287)	200
38EH	1.22-1.25(12.2-12.5)	≥11.5(≥915)	≥30(≥2388)	36-39(287-310)	200
40EH	1.25-1.29(12.5-12.9)	≥11.5(≥915)	≥30(≥2388)	38-41(302-326)	200
42EH	1.28-1.32(12.8-13.2)	≥12.2(≥971)	≥29(≥2308)	39-43(310-342)	200
28AH	1.04-1.08(10.4-10.8)	≥9.8(≥780)	≥34(≥2706)	25-29(199-231)	230
30AH	1.08-1.13(10.8-11.3)	≥10.2(≥812)	≥34(≥2706)	27-31(215-247)	230
33AH	1.13-1.17(11.3-11.7)	≥10.5(≥836)	≥34(≥2706)	30-34(239-271)	230
35AH	1.17-1.22(11.7-12.2)	≥11.1(≥883)	≥34(≥2706)	33-36(263-287)	230
38AH	1.22-1.26(12.2-12.6)	≥11.6(≥923)	≥33(≥2626)	36-39(287-310)	230