

## Materials • Hot pressed magnets

Grade	Br		Hcb		Hcj		(BH)max	
	T	(kGs)	(kA/m)	(kOe)	(kA/m)	(kOe)	$\text{kJ/cm}^3$	MGOe
50M	1.4~1.45	14~14.5	$\geq 1043$	$\geq 13.1$	$\geq 1114$	$\geq 14$	374~406	47~51
45M	1.33~1.37	13.3~13.7	954~1058	12.0~13.1	$\geq 1273$	$\geq 16$	318~366	40~46
42M	1.29~1.32	12.9~13.2	939~1034	11.8~13.0	$\geq 1273$	$\geq 16$	302~342	38~43
48H	1.35~1.4	13.5~14.0	1042~1114	13.1~13.6	$\geq 1432$	$\geq 18$	342~366	43~46
45H	1.32~1.35	13.2~1.35	954~1042	12.5~13.1	$\geq 1432$	$\geq 18$	318~342	40~43
42H	1.29~1.32	12.9~13.2	931~1010	12.2~13.1	$\geq 1432$	$\geq 18$	286~326	36~41
40H	1.26~1.29	12.6~12.9	931~1010	11.7~12.7	$\geq 1432$	$\geq 18$	286~318	36~40
45SH	13.2~1.35	12.9~13.3	954~1042	12.5~13.1	$\geq 1592$	$\geq 20$	318~342	41~44
42SH	1.29~1.32	12.9~13.2	962~1042	12.2~13.1	$\geq 1592$	$\geq 20$	302~326	38~41
40SH	1.26~1.29	12.6~12.9	939~1010	11.8~12.7	$\geq 1592$	$\geq 20$	286~318	36~40
38SH	1.22~1.26	12.2~12.6	923~986	11.6~12.4	$\geq 1592$	$\geq 20$	278~310	35~39
35SH	1.18~1.23	11.8~12.3	891~962	11.2~12.1	$\geq 1592$	$\geq 20$	246~286	31~36
38UH	1.22~1.26	12.2~12.6	907~986	11.4~12.4	$\geq 1989$	$\geq 25$	278~318	35~40
35UH	1.18~1.23	11.8~12.3	891~962	11.2~12.1	$\geq 1989$	$\geq 25$	246~286	31~36

