

## Ndfeb Bonded

version June 2015

Grade	Remanence Br (mT)		Normal coercivity Hcb (KA/m)		Intrinsic coercivity Hcj (KA/m)		Energy density (BH)max (KJ/m)		$\mu$ /Recoil Permeability ( $\mu$ H/M)	Temp. Coeff. Br (%/°C)	Max. Operating Temp. (°C)	Density $\rho$ (g/cm <sup>3</sup> )	Hardness HRB
	min	typ	min	typ	min	typ	min	typ					
GPM-2	300	400	240	320	480	640	24	32	1,2	-0,11	160	4.5~5.0	40~45
GPM-4	400	500	240	320	560	720	32	48	1,2	-0,11	160	5.0~5.5	40~45
GPM-6	500	600	320	400	560	720	48	60	1,2	-0,11	160	5.5~5.8	40~45
GPM-8	600	680	360	440	640	800	60	72	1,2	-0,11	160	5.8~6.0	35~38
GPM-8L	600	680	400	480	640	800	64	72	1,2	-0,11	160	5.8~6.1	35~38
GPM- 8H	600	660	400	480	1040	1360	64	72	1,2	-0,1	180	5.8~6.1	35~38
GPM-8SR	620	680	400	480	800	1120	68	76	1,2	-0,1	180	5.8~6.1	35~38
GPM- 10	680	730	400	480	640	800	76	84	1,2	-0,1	160	5.8~6.1	35~38
GPM-10H	700	750	440	520	640	800	80	88	1,2	-0,1	160	6.0~6.3	35~38
GPM- 12	720	770	440	520	720	800	88	96	1,2	-0,1	160	6.0~6.3	35~38
GPM-12D	720	770	440	520	720	880	88	96	1,2	-0,1	160	6.0~6.3	35~38
GPM-12H	740	800	440	520	760	880	88	96	1,2	-0,1	160	6.1~6.4	35~38
GPM-12L	760	810	400	480	480	640	88	96	1,2	-0,12	150	6.0~6.3	35~38
GPM-13L	780	830	400	480	480	640	88	104	1,2	-0,12	150	6.1~6.4	35~38

### Physical properties at room temperature (20°C)

Temp.Coeff. of Br:		Temp. Coeff. of iHc:	
Density:	4,5-6,4g/cm <sup>3</sup>	Electrical resistivity:	
Vickers Hardness:	35-45HRB	Flexural Strength:	
Tensile strength:		Coeff. of Thermal Expansion:	
Specific Heat:		Thermal Conductivity:	
Young's Modulus:		Rigidity:	
Poisson's Ratio:		Compressibility:	
Curie Temperature:	300-320°C		

### The maximum operating temperature

150-160°C

#### Important notice:

Dimensions and shape of the magnet, in combination with required manufacturing processes, may cause the magnetic and physical characteristics to vary from typical values. Therefore, all data presented in this document are for general reference only and should not be relied upon to represent standard characteristics, nor are they guaranteed upon use. Bakker Magnetics reserves the right to change information in this document, including magnet performance standards, specifications, and characteristics without notice.