

## Magnetic Characteristics

## Bonded NdFeB

Material	Grade	Br		Hcb		Hcj		(BH)max		$\alpha_{Br}$	$\alpha_{Hcj}$	Tw	Density
		kGs	T	kOe	kA/m	kOe	kA/m	MGOe	kJ/m <sup>3</sup>	%/°C	%/°C	°C	g/cm <sup>3</sup>
Compression Type NdFeB	<b>MQP-B+</b>	6.8-7.1	680-710	5.5-6.0	440-480	9.1-9.8	730-780	10.0-11.0	80-88	-0.11	-0.39	120	5.6-6.0
	<b>MPQ-B</b>	6.6-7.0	660-700	4.9-5.5	390-440	9.0-9.8	720-780	9.0-10.0	72-80	-0.11	-0.36	120	5.6-6.0
	<b>MQP-A</b>	5.9-6.4	590-640	5.0-5.6	400-448	13.0-17.0	1040-1360	8.0-9.0	64-72	-0.13	-0.41	120	5.6-6.0
	<b>MQP-C</b>	5.9-6.3	590-630	5.0-5.5	400-440	15.0-18.0	1200-1440	8.0-9.0	64-72	-0.07	-0.40	140	5.6-6.0
	<b>MQP-D</b>	6.4-7.0	640-700	5.4-5.8	430-460	9.2-10.0	730-800	9.0-10.0	72-80	-0.08	-0.39	140	5.6-6.0
	<b>MQP-O</b>	6.0-6.6	600-660	5.2-5.8	410-460	11.5-13.5	920-1080	9.2-9.2	65-73	-0.14	-0.36	160	5.6-6.0
	<b>MQP-15-7</b>	6.8-7.4	680-740	5.0-5.4	400-430	6.5-7.2	520-580	9.6-10.6	76.8-85	-0.11	-0.39	110	5.6-6.0
	<b>MQP-13-9</b>	6.0-6.5	600-650	5.0-5.4	400-430	8.5-9.2	680-740	8.0-8.8	64-70	-0.12	-0.43	120	
Hybrid NdFeB+Cu	<b>Low Cu</b>	6.0-6.4	600-640	5.0-5.4	400-430	9.0-9.5	720-760	7.8-8.4	62-67	-0.10	-0.42	120	5.6-6.0
	<b>High Cu</b>	1.8-2.2	180-220	2.3-2.7	180-220	9.5-10.0	760-800	0.8-1.2	6.4-9.6	-0.10	-0.42	120	5.6-6.0
Hybrid NdFeB+Fe	<b>Low Fe</b>	6.4-6.8	640-680	4.3-4.7	340-375	8.2-8.6	650-690	7.1-7.7	57-61	-0.12	-0.43	120	5.6-6.0
	<b>High Fe</b>	4.8-5.2	480-520	1.0-1.3	80-104	1.4-2.0	110-160	1.0-1.6	8.0-12.8	-0.12	-0.43	120	5.6-6.0
SrFerrite NdFeB	<b>Low NdFeB</b>	1.9-2.2	190-220	1.0-1.2	80-96	1.6-2.0	128-160	0.65-0.85	5.2-6.8	-0.13	-0.40	120	
	<b>High NdFeB</b>	2.8-3.2	280-320	1.8-2.2	144-176	6.4-7.4	510-590	1.5-2.1	12-16.8	-0.13	-0.40	120	

- Notes:
1. The magnetic characteristics list above is for engineering reference. Special requirement for magnetic properties could be met upon request. Please consult in our engineering team for detail.
  2. Maximum operating emperature is dependent upon the specific application and geometry of the magnets.