

## Magnetic Properties of Compression Bonded NdFeB Magnets



Grade	Remanence (Br)		Coercivity Force (Hcb)		Intrinsic Coercive Force (Hcj)		Max. Energy Product (BHmax)		Maximum Operating Temp.
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m <sup>3</sup>	MGOe	
CN-4	400-500	4.0-5.0	200-280	2.5-3.5	520-600	6.5-7.5	28-36	3.5-4.5	150 °C
CN-6	550-600	5.5-6.0	280-400	3.5-5.0	560-680	7.0-8.5	44-52	5.5-6.5	160 °C
CN-7	600-650	6.0-6.5	320-400	4.0-5.0	640-720	8.0-9.0	52-60	6.5-7.5	160 °C
CN-8	600-650	6.0-6.5	360-440	4.5-5.5	640-720	8.0-9.0	60-68	7.5-8.5	160 °C
CN-8H	600-650	6.0-6.5	440-520	5.5-6.5	800-960	10.0-12.0	60-68	7.5-8.5	180 °C
CN-9	650-700	6.5-7.0	360-480	4.5-6.0	640-720	8.0-9.0	64-72	8.0-9.0	160 °C
CN-10	650-700	6.5-7.0	360-480	4.5-6.0	680-760	8.5-9.5	72-80	9.0-10.0	150 °C
CN-10H	650-700	6.5-7.0	400-480	5.0-6.0	880-1040	11.0-13.0	72-80	9.0-10.0	180 °C
CN-11	680-720	6.8-7.2	400-480	5.0-6.0	680-800	8.5-10.0	76-84	9.5-10.5	160 °C
CN-12	700-740	7.0-7.4	550-620	5.5-6.2	700-820	8.8-10.2	83-87	10.4-10.9	160 °C

## Magnetic Properties of Compression Bonded SmCo Magnets



Grade	Remanence (Br)		Coercivity Force (Hcb)		Intrinsic Coercive Force (Hcj)		Max. Energy Product (BHmax)		Maximum Operating Temp.
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m <sup>3</sup>	MGOe	
PBS-4T	380~420	3.8~4.2	200~280	2.5~3.5	640~1030	8.0~13.0	28~36	3.5~4.5	150°C
PBS-5T	410~540	4.1~5.4	265~360	3.3~4.5	640~1200	8.0~15.0	36~44	4.5~5.5	150°C
PBS-9	610~660	6.1~6.6	415~480	5.2~6.0	640~1200	8.0~15.0	68~76	8.5~9.5	150°C
PBS-11	640~720	6.4~7.2	430~510	5.4~6.4	640~1200	8.0~15.0	76~88	9.5~11.0	150°C