

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 ³	MGOe	
CN-4	400-500	4.0-5.0	240-320	3.0-4.0	560-720	7.0-9.0	32-48	4.0-6.0	160 °C
CN-6	500-600	5.0-6.0	320-400	4.0-5.0	560-720	7.0-9.0	48-60	6.0-7.5	160 °C
CN-8	600-680	6.0-6.8	360-440	4.5-5.5	640-800	8.0-10.0	60-72	7.5-9.0	160 °C
CN-8L	600-680	6.0-6.8	400-480	5.0-6.0	640-800	8.0-10.0	64-72	8.0-9.0	160 °C
CN-8H	600-660	6.0-6.6	400-480	5.0-6.0	1040-1360	13.0-17.0	64-72	8.0-9.0	180 °C
CN-10	680-730	6.8-7.3	400-480	5.0-6.0	640-800	8.0-10.0	76-84	9.5-10.5	160 °C
CN-10H	700-750	7.0-7.5	440-520	5.5-6.5	640-800	8.0-10.0	80-88	10.0-11.0	160 °C
CN-12	720-770	7.2-7.7	440-520	5.5-6.5	720-800	9.0-10.0	88-96	11.0-12.0	160 °C
CN-12D	720-770	7.2-7.7	440-520	5.5-6.5	720-880	9.0-11.0	88-96	11.0-12.0	160 °C
CN-12H	740-800	7.4-8.0	440-520	5.5-6.5	760-880	9.5-11.0	88-96	11.0-12.0	160 °C
CN-12L	760-810	7.6-8.1	400-480	5.0-6.0	480-640	6.0-8.0	88-96	11.0-12.0	150 °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 ³	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