

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/m3	MGOe	
CN-4	460-500	4.6-5.0	230-290	2.9-3.6	580-630	7.3-7.9	31-35	3.9-4.4	160 °C
CN-6	530-580	5.3-5.8	295-350	3.7-4.4	605-655	7.6-8.2	46-50	5.9-6.3	160 °C
CN-7	610-650	6.1-6.5	350-415	4.4-5.2	620-680	7.8-8.5	60-65	7.6-8.1	160 °C
CN-8	630-680	6.3-6.8	400-440	5.0-5.5	675-755	8.5-9.4	66-70	8.3-8.7	160 °C
CN-8H	600-660	6.0-6.6	380-435	4.8-5.4	800-960	10.0-12.0	62-66	7.8-8.2	180 °C
CN-9	650-690	6.5-6.9	395-440	5.0-5.5	675-755	8.5-9.4	69-73	8.7-9.1	160 °C
CN-10	670-710	6.7-7.1	410-455	5.2-5.7	675-760	8.5-9.5	72-76	9.1-9.5	160 °C
CN-10H	640-680	6.4-6.8	435-480	5.5-6.0	940-1025	11.8-12.8	70-75	8.9-9.3	180 °C
CN-11	690-730	6.9-7.3	420-475	5.3-5.9	675-760	8.5-9.5	78-82	9.9-10.3	160 °C
CN-12	700-740	7.0-7.4	435-495	5.5-6.2	690-815	8.7-10.2	82-86	10.3-10.7	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/m3	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