

# NdFeB

## material a-grades



500 a-series	Material grade	Remanence $B_r$ [T]		Normal coercivity $H_c$ [kA/m]		Intrinsic coercivity $H_c$ [kA/m]		Energy product $(BH)_{max}$ [kJ/m <sup>3</sup> ]	
		nom	min	nom	min	nom	min	nom	min
NEOREM 500 series general grades with moderate magnetic and corrosion properties.	NEOREM 512a	1.31	1.27	1000	940	1120	1050	330	310
	NEOREM 537a	1.28	1.24	980	920	1350	1200	310	290
	NEOREM 553a	1.25	1.21	960	900	1500	1400	300	280
	NEOREM 576a	1.22	1.18	930	880	1750	1550	280	260
	NEOREM 591a	1.19	1.15	910	850	1900	1700	270	250
	NEOREM 593a	1.16	1.12	890	830	2100	1800	250	240
	NEOREM 595a	1.13	1.09	860	810	2400	2100	240	220
	NEOREM 597a	1.09	1.05	830	780	2800	2600	220	210
	NEOREM 599a	1.05	1.00	800	740	3200	3000	210	190



700 a-series	Material grade	Remanence $B_r$ [T]		Normal coercivity $H_c$ [kA/m]		Intrinsic coercivity $H_c$ [kA/m]		Energy product $(BH)_{max}$ [kJ/m <sup>3</sup> ]	
		nom	min	nom	min	nom	min	nom	min
NEOREM 700 series grades characterized by improved remanence, coercivity and corrosion resistivity.	NEOREM 712a	1.33	1.29	1020	960	1120	1050	340	320
	NEOREM 737a	1.30	1.26	990	940	1350	1200	320	300
	NEOREM 753a	1.28	1.24	980	920	1500	1400	310	290
	NEOREM 776a	1.26	1.22	960	910	1750	1550	300	280
	NEOREM 791a	1.24	1.20	950	890	1900	1700	290	270
	NEOREM 793a	1.21	1.17	930	870	2100	1800	280	260
	NEOREM 795a	1.16	1.12	890	830	2400	2100	250	240
	NEOREM 797a	1.12	1.08	860	800	2800	2600	240	220
	NEOREM 799a	1.08	1.04	830	770	3200	3000	220	200
	NEOREM 793a modified*	1.21	1.18	930	880	2100	2000	280	260



\* Examples of modified grades for special customer requirements

800 a-series	Material grade	Remanence $B_r$ [T]		Normal coercivity $H_c$ [kA/m]		Intrinsic coercivity $H_c$ [kA/m]		Energy product $(BH)_{max}$ [kJ/m <sup>3</sup> ]	
		nom	min	nom	min	nom	min	nom	min
NEOREM 800 series grades for most demanding applications with extreme magnetic properties.	NEOREM 830a	1.32	1.29	1010	960	1400	1350	330	320
	NEOREM 870a	1.30	1.27	990	940	1700	1600	320	310
	NEOREM 880a	1.26	1.23	960	910	2100	2000	300	290
	NEOREM 890a	1.24	1.21	950	900	2350	2250	290	280





The properties in the tables above apply for axially pressed magnets. All the grades can be further modified – please contact us for details. The demagnetization curves are available on our web site.

# NdFeB


## material t-grades



500 t-series	Material grade	Remanence $B_r$ [T]		Normal coercivity $H_c$ [kA/m]		Intrinsic coercivity $H_{ci}$ [kA/m]		Energy product $(BH)_{max}$ [kJ/m <sup>3</sup> ]	
		nom	min	nom	min	nom	min	nom	min
<p>NEOREM 500 series general grades with moderate magnetic and corrosion properties.</p> 	NEOREM 512t	1.35	1.30	1030	970	1120	1050	350	320
	NEOREM 537t	1.32	1.27	1000	940	1350	1200	330	310
	NEOREM 553t	1.29	1.24	980	920	1500	1400	310	290
	NEOREM 576t	1.26	1.21	960	900	1750	1550	300	280
	NEOREM 591t	1.23	1.18	930	880	1900	1700	280	260
	NEOREM 593t	1.20	1.15	910	850	2100	1800	270	250
	NEOREM 595t	1.16	1.12	890	830	2400	2100	260	240
	NEOREM 597t	1.12	1.08	850	800	2800	2600	240	220
	NEOREM 599t	1.08	1.03	820	760	3200	3000	220	200

700 t-series	Material grade	Remanence $B_r$ [T]		Normal coercivity $H_c$ [kA/m]		Intrinsic coercivity $H_{ci}$ [kA/m]		Energy product $(BH)_{max}$ [kJ/m <sup>3</sup> ]	
		nom	min	nom	min	nom	min	nom	min
<p>NEOREM 700 series grades characterized by improved remanence, coercivity and corrosion resistivity.</p> 	NEOREM 712t	1.38	1.35	1050	1000	1120	1050	360	340
	NEOREM 737t	1.35	1.32	1030	980	1350	1200	340	330
	NEOREM 753t	1.33	1.30	1010	960	1500	1400	330	320
	NEOREM 776t	1.30	1.27	1000	950	1750	1550	320	310
	NEOREM 791t	1.28	1.25	980	930	1900	1700	310	300
	NEOREM 793t	1.25	1.22	960	910	2100	1800	300	280
	NEOREM 795t	1.20	1.17	920	870	2400	2100	270	260
	NEOREM 797t	1.16	1.13	890	840	2800	2600	250	240
	NEOREM 799t	1.12	1.09	860	810	3200	3000	240	220
	NEOREM 737t modified*	1.35	1.33	1030	990	1350	1270	350	340
	NEOREM 776t modified*	1.32	1.30	1010	970	1700	1600	330	320

\* Examples of modified grades for special customer requirements

800 t-series	Material grade	Remanence $B_r$ [T]		Normal coercivity $H_c$ [kA/m]		Intrinsic coercivity $H_{ci}$ [kA/m]		Energy product $(BH)_{max}$ [kJ/m <sup>3</sup> ]	
		nom	min	nom	min	nom	min	nom	min
<p>NEOREM 800 series grades for most demanding applications with extreme magnetic properties.</p> 	NEOREM 830t	1.36	1.33	1040	990	1400	1350	350	340
	NEOREM 870t	1.34	1.32	1030	980	1700	1600	340	330
	NEOREM 880t	1.29	1.26	990	940	2100	2000	320	300
	NEOREM 890t	1.27	1.24	970	920	2350	2250	310	290

The properties in the tables above apply for transversally pressed magnets. All the grades can be further modified – please contact us for details. The demagnetization curves are available on our web site.

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