NdFeB
material a-grades

500 a-series

NEOREM 500 series general grades with moderate magnetic and corrosion properties.

Material grade	Remanence B_r[kG]		Normal coercivity $_BH_C$[kOe]		Intrinsic coercivity $_JH_C$[kOe]		Energy product $(BH)_{max}$[MGOe]	
	nom	min	nom	min	nom	min	nom	min
NEOREM 512a	13.1	12.7	12.6	11.8	14.1	13.2	41	39
NEOREM 537a	12.8	12.4	12.3	11.6	17.0	15.1	39	37
NEOREM 553a	12.5	12.1	12.1	11.3	18.8	17.6	38	35
NEOREM 576a	12.2	11.8	11.7	11.1	22.0	19.5	36	33
NEOREM 591a	11.9	11.5	11.4	10.7	23.9	21.4	34	32
NEOREM 593a	11.6	11.2	11.2	10.4	26.4	22.6	32	30
NEOREM 595a	11.3	10.9	10.8	10.2	30.2	26.4	31	29
NEOREM 597a	10.9	10.5	10.4	9.8	35.2	32.7	29	27
NEOREM 599a	10.5	10.0	10.1	9.3	40.2	37.7	27	24

700 a-series

NEOREM 700 series grades characterized by improved remanence, coercivity and corrosion resistivity.

Material grade	Remanence B_r[kG]		Normal coercivity $_BH_C$[kOe]		Intrinsic coercivity $_JH_C$[kOe]		Energy product $(BH)_{max}$[MGOe]	
	nom	min		min	nom	min	nom	min
NEOREM 712a	13.3	12.9	12.8	12.1	14.1	13.2	43	40
NEOREM 737a	13.0	12.6	12.4	11.8	17.0	15.1	41	38
NEOREM 753a	12.8	12.4	12.3	11.6	18.8	17.6	39	37
NEOREM 776a	12.6	12.2	12.1	11.4	22.0	19.5	38	36
NEOREM 791a	12.4	12.0	11.9	11.2	23.9	21.4	37	35
NEOREM 793a	12.1	11.7	11.7	10.9	26.4	22.6	35	33
NEOREM 795a	11.6	11.2	11.2	10.4	30.2	26.4	32	30
NEOREM 797a	11.2	10.8	10.8	10.1	35.2	32.7	30	28
NEOREM 799a	10.8	10.4	10.4	9.7	40.2	37.7	28	26
NEOREM 793a modified*	12.1	11.8	11.7	11.1	26.4	25.1	35	33

* Examples of modified grades for special customer requirements

800 a-series

NEOREM 800 series grades for most demanding applications with extreme magnetic properties.

Material grade	Remanence B_r[kG]		Normal coercivity $_BH_C$[kOe]		Intrinsic coercivity $_JH_C$[kOe]		Energy product $(BH)_{max}$[MGOe]	
	nom	min	nom	min	nom	min	nom	min
NEOREM 830a	13.2	12.9	12.7	12.1	17.6	17.0	42	40
NEOREM 870a	13.0	12.7	12.4	11.8	21.4	20.1	41	39
NEOREM 880a	12.6	12.3	12.1	11.4	26.4	25.1	38	36
NEOREM 890a	12.4	12.1	11.9	11.3	29.5	28.3	37	35

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.

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NdFeB
material t-grades

500 t-series

NEOREM 500 series general grades with moderate magnetic and corrosion properties.

Material grade	Remanence B_r[kG]		Normal coercivity $_BH_C$[kOe]		Intrinsic coercivity $_JH_C$[kOe]		Energy product $(BH)_{max}$[MGOe]	
	nom	min	nom	min	nom	min	nom	min
NEOREM 512t	13.5	13.0	12.9	12.2	14.1	13.2	44	41
NEOREM 537t	13.2	12.7	12.6	11.8	17.0	15.1	42	39
NEOREM 553t	12.9	12.4	12.3	11.6	18.8	17.6	40	37
NEOREM 576t	12.6	12.1	12.1	11.3	22.0	19.5	38	35
NEOREM 591t	12.3	11.8	11.7	11.1	23.9	21.4	36	33
NEOREM 593t	12.0	11.5	11.4	10.7	26.4	22.6	35	32
NEOREM 595t	11.6	11.2	11.2	10.4	30.2	26.4	32	30
NEOREM 597t	11.2	10.8	10.7	10.1	35.2	32.7	30	28
NEOREM 599t	10.8	10.3	10.3	9.6	40.2	37.7	28	26

700 t-series

NEOREM 700 series grades characterized by improved remanence, coercivity and corrosion resistivity.

Material grade	Remanence B_r[kG]		Normal coercivity $_BH_C$[kOe]		Intrinsic coercivity $_JH_C$[kOe]		Energy product $(BH)_{max}$[MGOe]	
	nom	min	nom	min	nom	min	nom	min
NEOREM 712t	13.8	13.5	13.2	12.6	14.1	13.2	46	44
NEOREM 737t	13.5	13.2	12.9	12.3	17.0	15.1	44	42
NEOREM 753t	13.3	13.0	12.7	12.1	18.8	17.6	43	41
NEOREM 776t	13.0	12.7	12.6	11.9	22.0	19.5	41	39
NEOREM 791t	12.8	12.5	12.3	11.7	23.9	21.4	39	38
NEOREM 793t	12.5	12.2	12.1	11.4	26.4	22.6	38	36
NEOREM 795t	12.0	11.7	11.6	10.9	30.2	26.4	35	33
NEOREM 797t	11.6	11.3	11.2	10.6	35.2	32.7	32	31
NEOREM 799t	11.2	10.9	10.8	10.2	40.2	37.7	30	29
NEOREM 737t modified*	13.5	13.3	12.9	12.4	17.0	16.0	44	43
NEOREM 776t modified*	13.2	13.0	12.7	12.2	21.4	20.1	42	41

* Examples of modified grades for special customer requirements

800 t-series

NEOREM 800 series grades for most demanding applications with extreme magnetic properties.

Material grade	Remanence B_r[kG]		Normal coercivity $_BH_C$[kOe]		Intrinsic coercivity $_JH_C$[kOe]		Energy product $(BH)_{max}$[MGOe]	
	nom	min	nom	min	nom	min	nom	min
NEOREM 830t	13.6	13.3	13.1	12.4	17.6	17.0	44	43
NEOREM 870t	13.4	13.2	12.9	12.3	21.4	20.1	43	42
NEOREM 880t	12.9	12.6	12.4	11.8	26.4	25.1	40	38
NEOREM 890t	12.7	12.4	12.2	11.6	29.5	28.3	39	37

The properties in the tables above apply for transversally pressed magnets. All the grades can be further modified – please contact us for details.
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