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Neorem Magnets introduces 700 series magnet grades

Neorem Magnets has launched a new 700 series including nine magnet grades. These grades are characterized by improved remanence and corrosion resistivity. The 700 series grades also feature better properties in elevated temperatures, as these grades have a smaller temperature coefficient of remanence.

The magnetic properties of the 700 series grades are presented in the table below.

Material grade	Remanence B_r [T]		Normal coercivity BH_c [kA/m]		Intrinsic coercivity JH_c [kA/m]		Max. energy product (BH) _{max} [kJ/m ³]	
	B_r (nom)	B_r (min)	BH_c (nom)	BH_c (min)	JH_c (nom)	JH_c (min)	(BH) _{max} (nom)	(BH) _{max} (min)
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	260	240
NEOREM 797a	1,12	1,08	860	800	2800	2600	240	210
NEOREM 799a	1,08	1,04	820	770	3200	3000	220	210

The above properties are for axially pressed grades. All these grades are also available transversally pressed, giving a higher remanence.

For further information, please contact us.

