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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.

