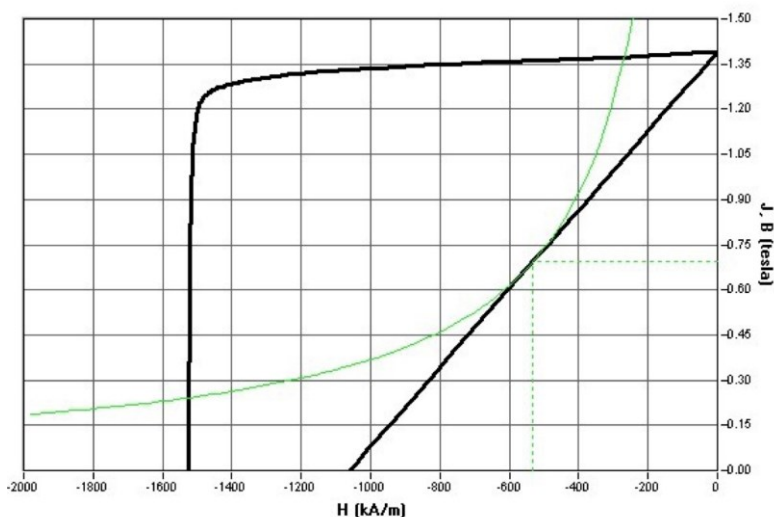


## Material Data - Magnetic Properties



*Sintered NdFeB Anisotropic*

*Grade: N 48H*

*Test Temperature: 24 °C*

*Type of measure: 2nd quadrant*

*Br: 1,38-1,39 T*

*HcB: > 1058 kA/m*

*Hcj: > 1524 kA/m*

*BHmax: 360-370 KJ/m3*

**Max. working temperature 120°C**

Operating temperature depends on the magnet dimension and the specific application.

## Physical Properties

|  |                      |                         |
|--|----------------------|-------------------------|
| Density  | (kg/m <sup>3</sup> ) | 7.6 x 10 <sup>3</sup>   |
| Bending Strength                                 | (kg/m <sup>2</sup> ) | 2.95 x 10 <sup>3</sup>  |
| Compressive Strength                             | (kg/m <sup>2</sup> ) | 9.6 x 10 <sup>3</sup>   |
| Vickers Hardness (Hv)                            | (Hv)                 | 560-600                 |
| Electrical Resistivity                           | (Ωm)                 | 1.4 x 10 <sup>-6</sup>  |
| Thermal Expansion Coefficient Parallel to M      | //M                  | 7.9 x 10 <sup>-6</sup>  |
| Thermal Expansion Coefficient Perpendicular to M | M                    | -1.7 x 10 <sup>-6</sup> |
| Curie Temperature                                | (°C)                 | 345                     |

All values indicated were determined on standard samples. Depending on the shape and dimensions there could occur deviations.



The product conforms to the European RoHS Community legislation (2002/95/EG - RoHS - Restriction of Hazardous Substances) relating to the use and the employment of certain hazardous substances in electrical and electronic devices. No subject to registration under the REACH Regulation.



**Read the Safety Warnings before handling the magnets.**

Best Magnet is a Vega Technik GmbH product division.

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