Sintered Neodymium-Iron-Boron Magnets

These are also referred to as "Neo" or NdFeB magnets. They offer a combination of high magnetic output at moderate cost. Please contact Arnold for additional grade information and recommendations for protective coating. Assemblies using these magnets can also be provided.

### Magnetic Properties

- **Br**, Residual Induction: Gauss, min. 11,700, nominal 12,100, max. 12,500
- **HcB**, Coercivity: Oersteds, min. 10,800, nominal 11,400, max. 12,000
- **HcJ**, Intrinsic Coercivity: kA/m, min. 860, nominal 907, max. 955
- **BHmax**, Maximum Energy Product: MGOe, min. 33, nominal 36, max. 38

### Other Properties

- **Curie Temperature, Tc**: ºC, min. 860, nominal 907, max. 955
- **Density**: g/cm³, min. 7.5, max. 7.5
- **Hardness, Vickers**: Hv, min. 620, max. 620
- **Electrical Resistivity, ρ**: μΩ cm, min. 180, max. 180

### Notes

The material data and demagnetization curves shown above represent typical properties that may vary due to product shape and size. Magnets can be supplied thermally stabilized or magnetically calibrated to customer specifications. Additional grades are available. Please contact the factory for information.

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