

HIGH PERMEABILITY 49



High Permeability 49, often abbreviated as High Perm 49, is known for its high magnetic permeability and low core loss.

The alloy is primarily **used in applications where efficient magnetic energy conductivity is required**. It is often used in transformer cores, magnetic shields, and other applications where high magnetic permeability is beneficial.

KEY FEATURES OF HIGH PERMEABILITY 49

- **High magnetic permeability:** As the name suggests, High Permeability 49 is known for its high magnetic permeability. This makes it ideal for applications that require efficient magnetic energy conductivity, such as transformer cores and magnetic shields.
- **Low core loss:** High Permeability 49 has a low core loss, which means it's efficient in terms of energy usage. This can be a significant advantage in applications where energy efficiency is a priority.
- **Versatile forms:** High Permeability 49 is available in a variety of forms, including strip, rod, wire, and bar. This versatility allows it to be used in a wide range of manufacturing processes.
- **High saturation induction:** With a high saturation induction of approximately 1.5 Tesla, High Permeability 49 can handle high levels of magnetic flux, making it suitable for high-performance applications.
- **High Curie temperature:** The alloy has a Curie temperature of about 500°C, which means it can maintain its magnetic properties at high temperatures.

