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Magnet Recommendation



How thick a soft iron can block the magnetism?

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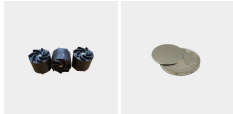
In magnetic shielding applications, soft iron is one of the commonly used materials, it can effectively attenuate or guide the magnetic field, so as to achieve the effect of shielding magnetic, in which the thickness is more critical, so how thick soft iron can block the magnetism?

Soft iron has a high permeability (permeability μ is much higher than air), which attracts and guides magnetic lines of force, reducing the magnetic field strength in the target area. The shielding effectiveness of soft iron depends on the material properties, thickness, magnetic field strength, and shielding design.

Neodymium magnet isolated magnetism packaging

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EX2022 - Page 1

molding 62 64
Gauss Calculator
ferrite poles
ring for axial
fan m encoder
disk 2



Injection- Strong
molded thin flat
ferrite circular
magnetic magnet
rotor 20mm
with dia x
helic 0.5mm

Magnet FAQs

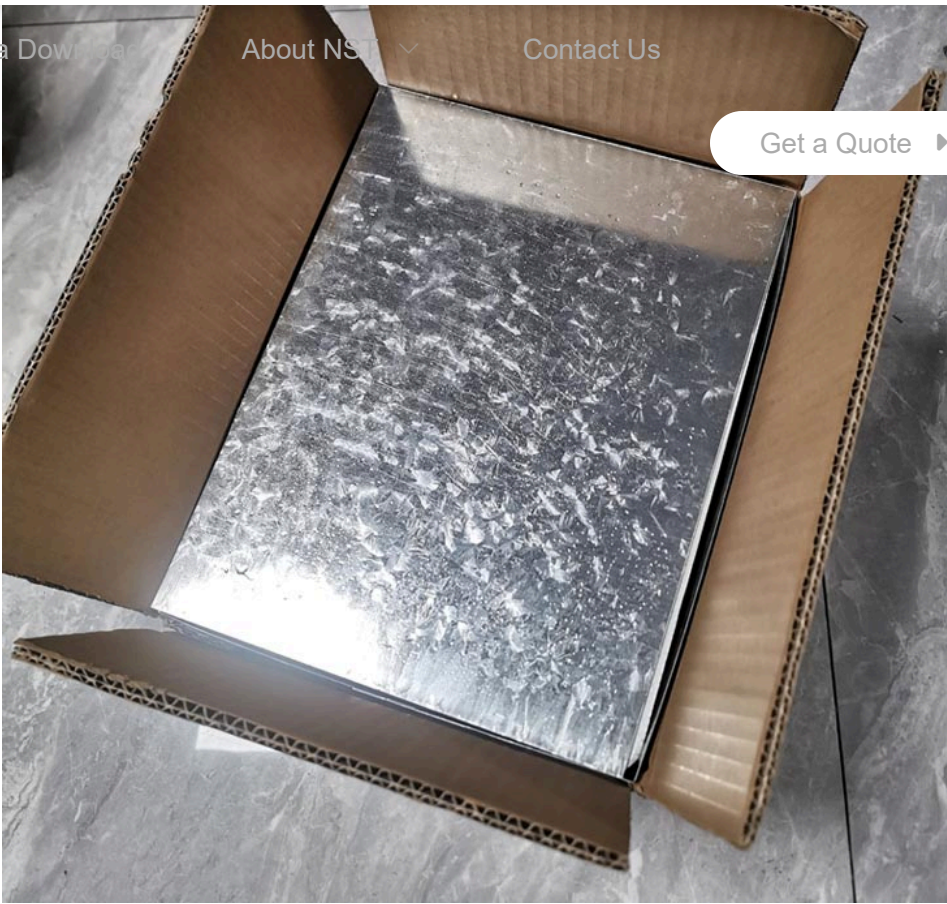
1. What is a thin walled deep hole magnet?
2. Can injection molded magnets replace traditional magnetic material
3. Why don't asynchronous motors use magnets in their rotors?
4. What factors affect the magnetization effect of magnets?
5. Is N52 grade neodymium magnet definitely stronger than N35 grade?

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In low strength magnetic fields, 1-2 mm thick soft iron may provide some shielding, for medium strength magnetic fields (such as those generated by ordinary NdFeB magnets), 3-5 mm thick soft iron is a more suitable choice. Soft iron of this thickness can significantly reduce the strength of the magnetic field in the target area without easily saturating it.

Magnetic permeability (μ) is a key parameter in determining the performance of magnetic shielding. Soft iron with high permeability can shield stronger magnetic fields at thinner thicknesses. For example, pure iron or high permeability alloys (e.g., pozzolanic alloys) are better suited for shielding magnetic fields than ordinary soft iron.

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EX2022 - Page 2

- Rotary Encoders?
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7. What temperature do ferrite magnets begin to demagnetize?
8. Is the ID of the Hall effect magnetic ring clearance fit or interf
9. Which Home Appliances Use Magnets?
10. Why are holes dug at the corners of some embedded rotor magnet slo

Keyword Tags

- Motor
Magnet
Grade
- Flywheel
Magnets
- RotaryNeodymium
encoderMagnets
made
- 0.5mm
38EH
Diameter
Magnets
Magnets
- Drive
Pump
Magnets
- Connector
Magnets
- Bottle
Cap
Magnets
- N56
Magnets

Note: If a single layer of soft iron cannot meet the demand, a multi-layer shielding design can be used, leaving a certain gap between each layer to avoid magnetic saturation of a single

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Enclosed shielding structures (e.g. cartridge, box) are more effective than flat shielding because they direct the magnetic lines of force more efficiently.

This is some information about how thick soft iron can block magnetism, I hope it will help you!

Highly relevant article;
[How thick of an iron blocks the magnetism best?](#)

Tags:

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Radially earth

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magnet venture

25mm

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Tiny Ferrite

cylinder magnets

magnets with

holes

Large Gas

hole Meter

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6

17mm inch

neodymium bar

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Bar Rubber

magnet magnet

length installation

1 Electric

inch rice

ferrite cooker

core magnet

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EX2022 - Page 4

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ABOUT US



NST Magnet Factory was established in 2009, and the company is located in Dongguan, China. The company's competitive products include high-performance/ultra-thin & flat/precision/special shaped rare earth neodymium powerful magnets, multi-pole sintered or injection molded ferrite magnets for motors, and arc segment magnets, which can be customized completely according to your drawing requirements, Is your worthy choice magnet supplier.

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