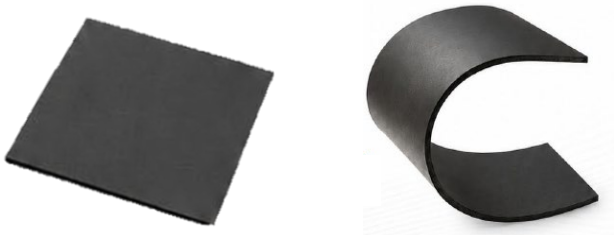
AICHI STEEL
つくろう、未来を。
つくろう、素材で。

MAGFINE™ Sheet

2026 Sept. 30

AICHI STEEL CORPORATION



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AICHI STEEL

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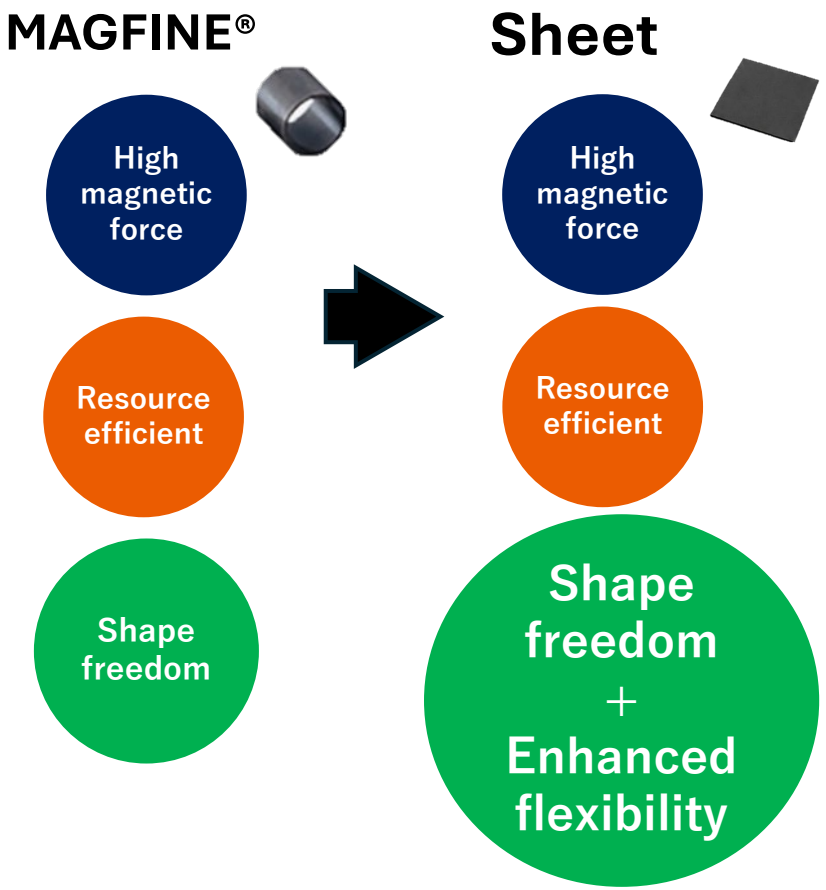


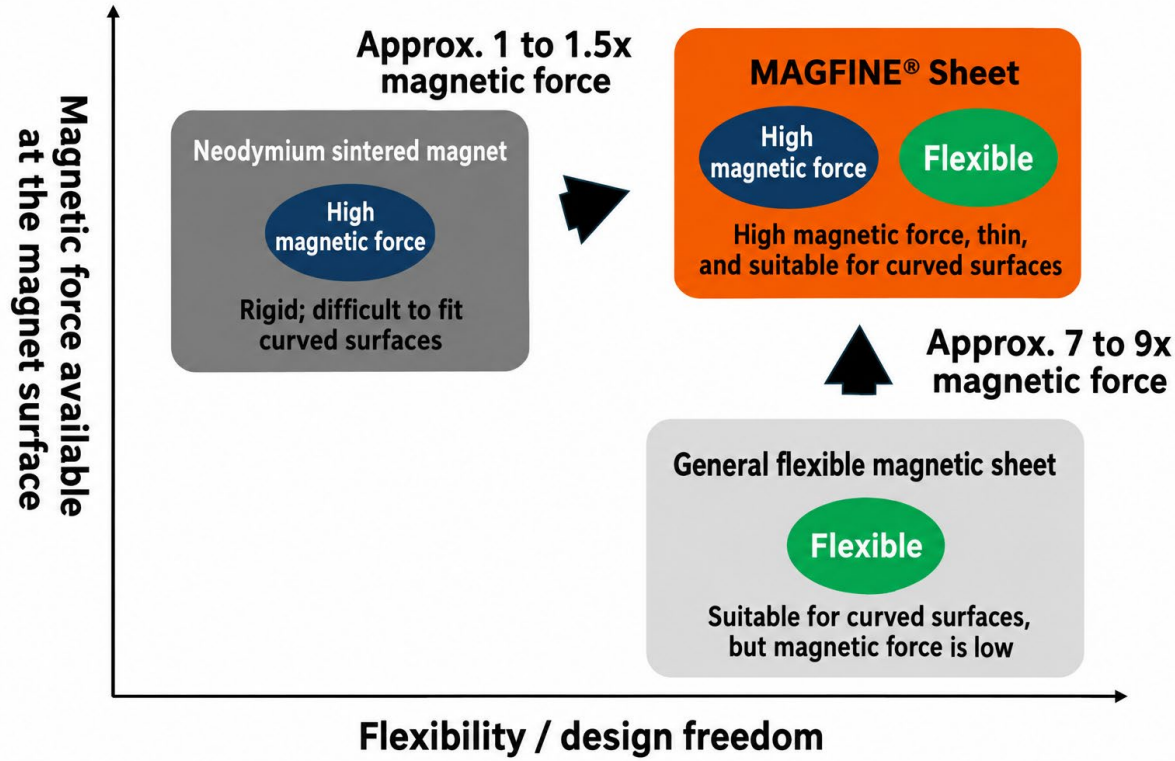


AICHI STEEL

What is MAGFINE® Sheet?

Sheet-type magnets (0.3 mm to 1.5 mm thick) that retain the resource-efficient, high-surface-magnetic-force characteristics of Magfine®, while offering enhanced flexibility and greater freedom in shaping.





AICHI STEEL

• Material

Magnet powder	Resin
Anisotropic NdFeB	Elastomer

• Mechanical Properties

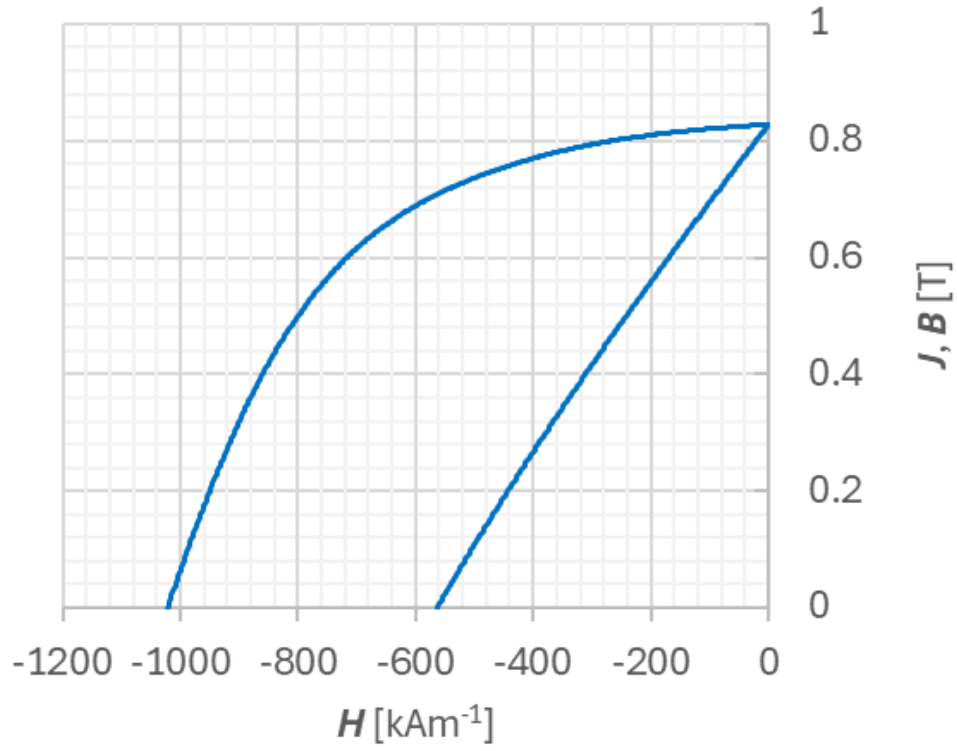
Property	Typical
Density [g/cm^3]	5.2
Elongation at break [%]	27
Hardness (Shore D)	55
Minimum bend radius [mm]	4.0~7.5

• Machinability

Cutting, piercing, etc. possible

• Magnetic Properties (Typical)

Br	Hcj	Hcb	(BH)max
0.83 T (8.3 kG)	1,022 kA/m (12.8 kOe)	564 kA/m (7.1 kOe)	125 kJ/m^3 (15.7 MGOe)



3. Manufacturing Capabilities

AICHI STEEL

①Dimensions: 150mm x 200mm

②Thickness:　0.3 to 1.5mm

③Magnetization specifications

- Alignment pattern: Halbach-like polar anisotropic (recommended), Uniaxial/parallel
- Pole pitch: 2 to 6mm

AICHI STEEL

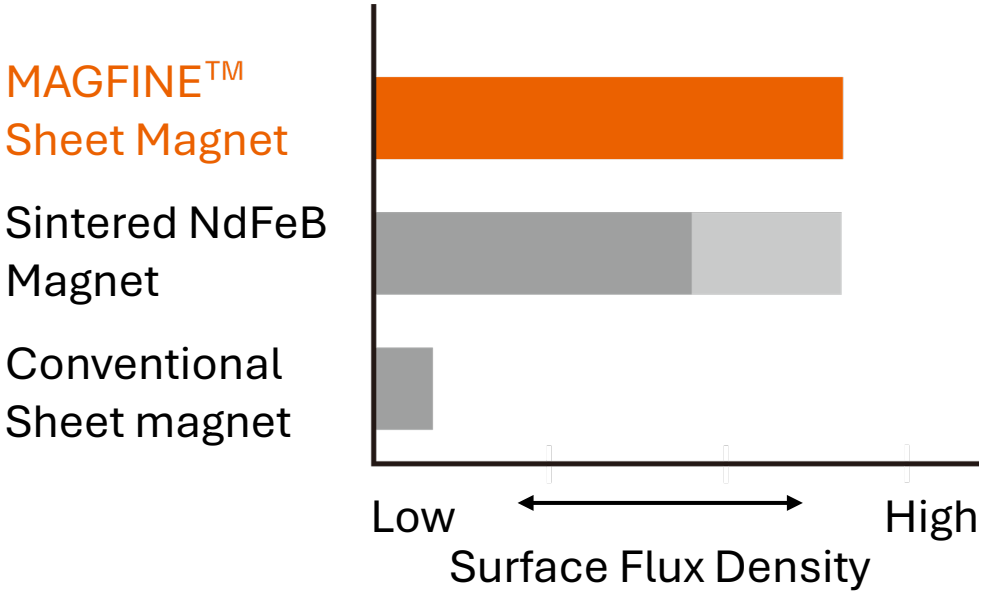
①Size: 39.6mm x 68.0mm x 0.5mm

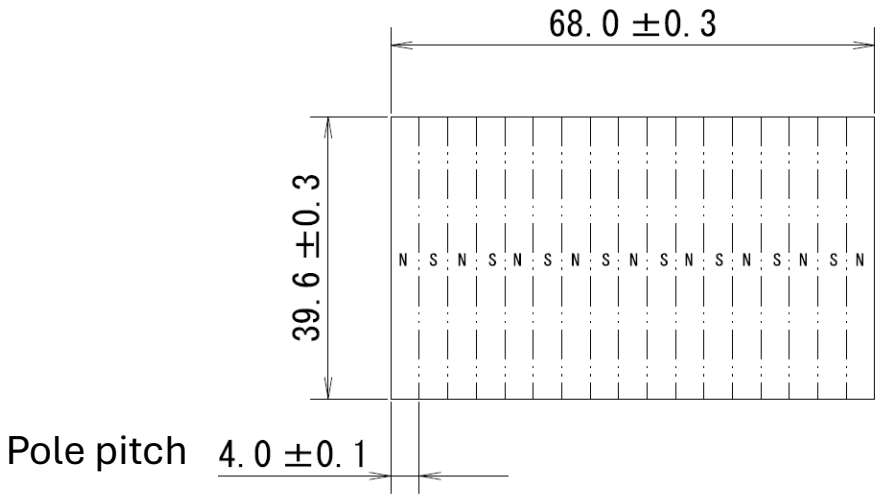
②Pole pitch: 4mm

③Surface flux density: 180 to 200mT (1,800 to 2,000G)



Comparison of Surface Magnetic Flux Density (Our Evaluation)





We are happy to discuss any other requests you may have.